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# MONTHLY CATALOG

UNITED STATES

GOVERNMENT PUBLICATIONS

OCTOBER 1966

Entries 14098-15433

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# MONTHLY CATALOG



OF UNITED STATES  
GOVERNMENT PUBLICATIONS

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OCTOBER 1966

Number 861

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Entries 14098-15433

Issued by the SUPERINTENDENT OF DOCUMENTS

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U.S. GOVERNMENT PRINTING OFFICE, WASHINGTON, D.C. 20402 : 1966



- Productivity, a bibliography.** (Labor Statistics Bureau, Bulletin 1514.) 65c. ●  
L 2.3:1514
- Psychopharmacology handbook, vol. 4.** (Public Health Service, Publication 1497, Bibliography series 67.) \$2.00. ●  
FS 2.21:67
- Safety in your future.** (Education Office, OE-84032.) 15c. ●  
FS 5.284:84032
- Significant achievements in satellite geodesy, 1958-64.** (National Aeronautics and Space Administration, NASA SP-94.) 70c. ●  
NAS 1.21:94
- Small stores planning for growth.** (Small Business Administration, Small business management series 33.) 50c. ●  
SBA 1.12:33
- Study of strip and surface mining in Appalachia.** (Mines Bureau.) \$1.00 ●  
I 28.2:Ap 4
- Taxation, key factor in business decisions.** (Small Business Administration, Administrative management course program, topic 8.) \$1.50. ●  
SBA 1.24:8
- Technical manpower, requirements, resources, and training needs.** (Labor Statistics Bureau, Bulletin 1512.) 60c. ●  
L 2.3:1512
- Tertiary plans from Cook Inlet region, Alaska.** (Geological Survey, Professional paper 398-B.) 55c. ●  
I 19.16:398-B
- United States earthquakes, 1964.** (Coast and Geodetic Survey.) 55c. ●  
C 4.25/2:964
- Wildlife research: Problems, programs, progress 1965.** (Fish and Wildlife Service, Resource publication 23.) 70c. ●  
I 49.66:23
- World power data, capacity of electric generating plants and production of electric energy, 1964.** (Federal Power Commission.) 20c. ●  
FP 1.2:W 89/964
- You and the public.** (Civil Service Commission, Federal employee facts no. 6.) 5c. ●  
CS 1.59:6

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# New Classification Numbers

A 77.237/2: date-----	Agricultural Research Service. National tick surveillance program, calendar year. NOTE.—Formerly entitled National tick survey and classified A 77.202: T 43/2.
C 30.82: Reserved	Weather Bureau.
C 30.83: date-----	Operations of the Weather Bureau (semi-annual).
C 52.13: Reserved	Environmental Science Services Administration.
C 52.14: date-----	ESSA world (quarterly).
CS 1.65/3: date-----	Civil Service Commission. Executive Seminar Centers [programs]. NOTE.—See, for earlier class, CS 1.2: Ex 3/6/ (date).
D 301.35/3: nos-----	Air Force Department. Air Force Systems Command pamphlets.
FAA 2.8/2: nos-----	Systems Research and Development Service. Reports.
FS 14.219: Reserved	Family Services Bureau.
FS 14.220: date-----	Progress report on staff development (annual).
GS 1.14/8: -9: Reserved	General Services Administration.
GS 1.14/10: CT-----	Federal Fire Council: Addresses.
HH 1.26: date-----	Housing and Urban Development Department. Urban planning assistance program project directory. NOTE.—See, for earlier class, HH 7.8/3: (date).
I 28.30/4: date-----	Mines Bureau. Coke and coal chemicals, annual.
I 29.72: -.73: Reserved	National Park Service.
I 29.74: CT-----	Historic American Buildings Survey.
I 67.11: Reserved	Federal Water Pollution Control Administration.
I 67.12: date-----	Selected summaries of water research.
L 1.7/3: Reserved	Labor Department.
L 1.7/4: CT-----	Regulations and interpretative bulletins.
NC 3.8: CT-----	National Capital Regional Planning Council. Handbooks, manuals, guides.
PrEx 2.16: Reserved	Budget Bureau.
PrEx 2.17: nos-----	Working papers.
PrEx 7.2: CT-----	Foreign Broadcast Information Service. General publications.
T 47.50/2: date-----	Coast Guard. Bibliography of publications for public education and membership training.
VA 1.43/4: date-----	Veterans Administration. Medical research program.



	Civil War Centennial Commission.
Y 3.C49/2: 9/v.nos-----	Military operations of the Civil War, guide index to Official records of Union and Confederate armies, 1861-65.
Y 3.C49/2: 9a/letters-----	—: (Separates by section).
	Equal Employment Opportunity Commission.
Y 3.Eq 2: 10/date-----	Digest of legal interpretations issued or adopted by Commission (quarterly).
	Standards and Conduct, Select Committee on, Senate.
Y 4.St 2/2: CT-----	Publications.

### Corrections for Previous Monthly Catalogs

- Oct. 1958. Entry 15261, Review of mental health in industry. Correct class to read FS 2.22: M52/20.
- Sept. 1960. Entry 14685, Procedures for testing pasteurization equipment. Correct class to read FS 2.60/7: P26.
- Dec. 1961. Page 119, 2d column, under Armed Forces: officer, guide to philosophy, ideals, and principles of leadership, correct 5331 to read 5321.
- Dec. 1964. Page 486, 1st column, 6th line, above production, . . . insert Pears:.
- Jan. 1965. Entry 1494, Directory of standards laboratories. Change class to read C 13.2: St 2/2.
- May 1965. Entry 7790, Report to Congress of United States: Unnecessary rental costs incurred because of delay in purchasing components of 2 automatic data processing systems, Social Security Administration, Department of Health, Education, and Welfare. Change class to read GA 1.13: Au 8/27.
- Entry 8295, Career opportunities in communications and records with Department of State, domestic and overseas assignments. Correct class to read S 1.2: C 73/5/965.
- July 1965. Entry 10952, Report to Congress of United States: Failure to adequately consider financial advantages of purchasing over leasing automatic data processing systems used by Bureau of Labor Statistics, Department of Labor. Change class to read GA 1.13: Au 8/28.
- Jan. 1966. Entry 785, Exchange scholars, new dimension in International understanding, Board of Foreign Scholarships, 3d annual report. Correct class to read Y3.F 76/4: 1/965.
- Feb. 1966. Entry 2574, Career opportunities in communications and records with Department of State, domestic and overseas assignments. Correct class to read S 1.2: C 73/5/965-2.
- Entry 3047, Housing and planning references, new series. Correct class to read HH 1.23/3: (nos.).
- Mar. 1966. Entry 4347, Equal employment opportunity is good business. Correct class to read Y 3.Eq 2: 2 Em 7.
- Apr. 1966. Entry 5842, [Armed Forces Institute textbook], AO 68, Introductory science. Delete † and substitute \*Paper, \$2.25.
- June 1966. Entry 8645, W. World war on hunger, hearings, 89th Congress, 2d session, on H.R. 12152, H.R. 12784, and H.R. 12785, pt. 3, Feb. 28-Mar. 22, 1966. Correct class to read Y 4.Ag 8/1: H 89/pt.3.
- July 1966. Entry 10119, Proceedings, symposia on arctic medicine and biology: 4, Frostbite. Correct class to read D 301.45: Ar 2/no.4.
- Aug. 1966. Entries 11378-384, School of Aerospace Medicine: Technical reports, SAM-TR (series). Correct class to read D 301.26/13-6: (nos.).
- Entry 12286, add 6009(01) following the entry number.

# Classified List of Government Authors

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## ADMINISTRATIVE OFFICE OF UNITED STATES COURTS Washington, D.C. 20543

- 14098 Persons under supervision of Federal probation system, fiscal year 1965; [prepared by James A. McCafferty]. [1966.] x+107 p. il. 4° †  
L.C. card 64-62120 Ju 10.2: P 94, 1965

## AGRICULTURAL RESEARCH SERVICE, Agriculture Dept. Washington, D.C. 20250

- 14099 Animal morbidity report, calendar year 1965. July 1966. [4] p. 4°  
(Technical Services, Animal Disease Eradication Division.) †  
A 77.229/2: 965-2

ARS (series). † A 77.15: (nos.)

- 14100 33-114. Field evaluation of chemical compounds for control of cabbage caterpillars; by C. S. Creighton and W. J. Reid, jr. July 1966. 8 p. 4°  
[Prepared in cooperation with South Carolina Agricultural Experiment Station.]  
L.C. card Agr 66-263
- 14101 41-75-15. Abstracts of recent published material on soil and water conservation. no. 39. [July 1966.] cover title, [2]+186 p. 4° [Text on p. 2 of cover.] • Item 25-B  
L.C. card Agr 49-669
- 14102 41-122. Storage flood routing without coefficients [with list of literature cited; by D. L. Brakensiek]. June 1966. 27 p. il. 4°  
L.C. card Agr 66-229
- 14103 42-96. Application of granular herbicides to ornamental plant materials in nurseries; by J. P. Mahlstede and W. G. Lovely. May 1966. 16 p. il. 4°  
L.C. card Agr 66-167
- 14104 42-116. References on regional cotton mechanization research projects S-2 and W-24. May 1966. 51 p. 4° ([Agricultural Engineering Research Division.])  
L.C. card Agr 66-197
- 14105 42-119. Cherry firmness and its relationship to pitter loss; [by] R. E. Parker, J. H. Levin, and H. P. Gaston. May 1966. 8 p. il. 4°  
L.C. card Agr 66-198
- 14106 42-121. Boll weevil control in field experiment with machine designed to destroy shed cotton squares; [by] Eddie C. Burt, M. E. Merkl, and T. B. Davich. Aug. 1966. 6 p. il. 4°  
L.C. card Agr 66-292
- 14107 44-176. Value of mature corn for silage; by C. H. Gordon, J. C. Derbyshire, and J. L. Humphrey. May 1966. 6 p. 4°  
L.C. card Agr 66-280
- 14108 51-6. Evaluation in Illinois of 4 inert dusts on stored shelled corn for protection against insects, progress report [with list of literature cited; by James K. Quinlan and Wayne L. Berndt]. June 1966. 20 p. il. 4°
- 14109 51-7. Evaluation of 4 inert dusts for protection of shelled corn in Georgia from insect attack [with list of literature cited; by L. M. Redlinger and H. Womack]. June 1966. 25 p. il. 4°  
L.C. card Agr 66-269
- 14110 51-8. Evaluation of 4 inert dusts for protection of stored wheat in Kansas from insect attack [with list of literature cited; by G. D. White and others]. June 1966. 21 p. 4°  
L.C. card Agr 66-270
- 14111 51-9. Malathion-treated drying trays to protect raisins from insects, commercial tests in 1965; [by Howard D. Nelson]. Aug. 1966. 7 p. 4°  
L.C. card Agr 66-289

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## ARS (series)—Continued

- 14112 52-14. Prototype hydrohandling system for sorting and sizing apples before storage; [by B. A. Stout and others]. Aug. 1966. 12 p. il. 4°  
[Prepared by Transportation and Facilities Research Division and Departments of Agricultural Engineering and Horticulture, Agricultural Experiment Station, Michigan State University.]  
L.C. card Agr 66-268
- 14113 81-12. Cleanup and confirmation of identity of pesticide residues by thin-layer chromatography; pt. 1, Soil, water, and sediment [with list of literature cited]; by R. L. Schutzmann, W. F. Barthel, and J. A. Warrington. May 1966. 12 p. il. 4°
- 14114 National tick surveillance program, calendar year 1965. May 10, 1966. 15 p. il. 4° (Animal Health Division.) † A 77.237/2:965
- 14115 Plant inventory 167, plant material introduced Jan. 1-Dec. 31, 1959 (nos. 254695 to 262678) [received by New Crops Research Branch, Crops Research Division; by] Eugene Griffith and Howard L. Hyland. Aug. 1966. 351 p. † • Item 101 A 77.515:167
- 14116 Plant quarantine import requirements of Great Britain (England, Scotland, and Wales). July 21, 1966. 7 p. (Plant Quarantine Division.) [Issued with perforations. Supersedes summary June 13, 1960, ECP 1, Sept. 7, 1960, ECP 3, Jan. 17, 1961, and TM Dec. 16, 1964, insofar as they pertain to England, Scotland, and Wales, and TM Sept. 15, 1965.] †  
A 77.329: G 798/966

## USDA consumer expenditure survey reports. • Item 26-B

- A 77.22: (nos.)
- 14117 32. Consumer expenditures and income, rural farm population, north central region, 1961, detailed tabulations (table 29). [July 1966.] cover title, il+122 p. 4° [Statistical reports from Survey of consumer expenditures with BLS and CES numbers inside back cover.] \* Paper, 60c.
- 14118 33. Consumer expenditures and income, rural farm population, southern region, 1961, detailed tabulations (table 29). [July 1966.] cover title, il+122 p. 4° [Statistical reports from Survey of consumer expenditures with BLS and CES numbers inside back cover.] \* Paper, 60c.
- 14119 Veterinary Biologics Division notice 3: Biological products produced in licensed establishments, fiscal year 1966. July 25, 1966. 8 p. 4° (Veterinary Biologics Division.) † A 77.226/3:3

## AGRICULTURE DEPARTMENT Washington, D.C. 20250

NOTE.—Requests to the Department of Agriculture for publications should include the USDA number if given in the entry.

- 14120 [Address by Secretary of Agriculture Orville L. Freeman at Animal Industry Day at Virginia Polytechnic Institute, Blacksburg, Va., July 29, 1966.] [1966.] 14 p. 4° (2269; USDA 2370-66.) †  
A 1.40: F 87/250
- 14121 [Address by Secretary of Agriculture Orville L. Freeman at annual meeting of National Forest Products Association, May 4, 1966, Washington, D.C.] [1966.] 18 p. 4° (2646; USDA 1366-66.) † A 1.40: F 87/232
- 14122 [Address by Secretary of Agriculture Orville L. Freeman at annual spring meeting of National Association of Farm Broadcasters, Washington, D.C., June 29, 1966.] † A 1.40: F 87/244
- 14123 [Address by Secretary of Agriculture Orville L. Freeman at Arlington watershed dedication, Woodbury County, Iowa, June 18, 1966.] [1966.] 9 p. 4° (3009; USDA 1857-66.) † A 1.40: F 87/241
- 14124 [Address by Secretary of Agriculture Orville L. Freeman at ceremonies honoring Phillip Alampi, New Jersey Secretary of Agriculture, as New Jersey's outstanding citizen of the year, Newark, N.J., June 9, 1966.] [1966.] 11 p. 4° (2907; USDA 1728-66.) † A 1.40: F 87/238
- 14125 [Address by Secretary of Agriculture Orville L. Freeman at Washington Agricultural Conference on Trade with Japan, Washington, D.C., June 23, 1966.] [1966.] 10 p. 4° (3047; USDA 1904-66.) †  
A 1.40: F 87/243

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- 14126 [Address by Secretary of Agriculture Orville L. Freeman before Business Council, Hot Springs, Va., May 14, 1966.] [1966.] 17 p. 4° (2736; USDA 1486-66.) † A 1.40: F 87/235
- 14127 [Address by Secretary of Agriculture Orville L. Freeman before Chamber of Commerce, Columbus, Ind., July 22, 1966.] [1966.] 16 p. 4° (2194; USDA 2266-66.) † A 1.40: F 87/245
- 14128 [Address by Secretary of Agriculture Orville L. Freeman before National Press Club, Washington, D.C., May 13, 1966.] [1966.] 10 p. 4° (2733; USDA 1483-66.) † A 1.40: F 87/234
- 14129 [Address by Secretary of Agriculture Orville L. Freeman before Planned Parenthood Federation at luncheon meeting, Washington, D.C., May 6, 1966.] [1966.] 14 p. 4° (2676; USDA 1404-66.) † A 1.40: F 87/233
- Agriculture handbooks. ● Item 3 A 1.76:(nos.)
- 14130 306. Insect pests of deciduous fruits in West; by E. J. Newcomer. [Aug. 1966.] [2]+57 p. il. (Agricultural Research Service.) [Contains information formerly published in Circular 270, Orchard insects of Pacific Northwest and their control.] \* Paper, 30c. L.C. card Agr 66-286
- 14131 314. White clover [with list of literature cited; by Pryce B. Gibson and E. A. Hollowell]. [Aug. 1966.] [2]+33 p. il. 4° (Agricultural Research Service.) † L.C. card Agr 66-279
- 14132 324. Administrative manual for McIntire-Stennis cooperative forestry research program. Aug. 1966. iv+29 p. 4° (Cooperative State Research Service.) Page 29 appears on p. 3 of cover. \* Paper, 25c.
- Agriculture information bulletin. ● Item 4
- 14133 307. Rain traps for intercepting and storing water for livestock; [by C. W. Lauritzen and Arnold A. Thayer] [Aug. 1966.] [2]+10 p. il. (Agricultural Research Service.) [Prepared in cooperation with Utah Agricultural Experiment Station.] \* Paper, 10c. L.C. card Agr 66-267 A 1.75: 307
- 14134 [Commencement address by Secretary of Agriculture Orville L. Freeman at Fairleigh Dickinson University, Madison, N.J., June 11, 1966.] [1966.] 11 p. 4° (2916; USDA 1738-66.) † A 1.40: F 87/239
- Farmers' bulletins. ● Item 9 A 1.9:(nos.)
- 14135 2042. Commercial growing of sweet corn; [by E. V. Wann and S. H. Yarnell]. [Revised July 1966.] [1966.] [2]+18 p. il. \* Paper, 15c. L.C. card Agr 66-243
- 14136 2206. Foot rot of sheep; [prepared by Animal Disease and Parasite Research Division and Animal Health Division, Agricultural Research Service]. [Revised Aug. 1966.] [1966.] 16 p. il. [Some illustrations are colored.] \* Paper, 20c.
- Home and garden bulletins. A 1.77:(nos.)
- 14137 10. Home freezing of fruits and vegetables; [prepared by Human Nutrition Research Division, Agricultural Research Service]. [Revised May 1965, slightly revised July 1966.] [1966.] 48 p. il. \* Paper, 20c.
- 14138 114. Growing flowering perennials; [by Henry M. Cathey]. [Aug. 1966.] ii+22 p. il. ([Crops Research Division, Agricultural Research Service.]) \* Paper, 15c. ● Item 11 L.C. card Agr 66-266
- Marketing bulletin. ● Item 13-G
- 14139 1. How to buy poultry by USDA grades. Revised Sept. 1966. [1966.] [6] p. il. narrow 8° (Consumer and Marketing Service.) † A 1.95: 1/3
- Marketing research reports. ● Item 13-B A 1.82:(nos.)
- 14140 749. Chilling injury of eggplant fruits; [by Lacy P. McColloch]. [Aug. 1966.] [2]+5 p. il. (Agricultural Research Service.) \* Paper, 5c. L.C. card Agr 66-285
- 14141 760. Homemakers' opinions about and preferences for broiler-fryers and turkeys; [by Edward M. Knott]. [July 1966.] cover title, iv+136 p. 4° (Statistical Reporting Service.) \* Paper, 65c. L.C. card Agr 66-283
- 14142 764. Pooling by Florida citrus cooperatives following 1962 freeze; [by] Fred E. Hulse, Julian R. Meltin and H. G. Hamilton. [July 1966.] vi+16 p. il. 4° (Farmer Cooperative Service.) [Prepared in cooperation with Florida Agricultural Experiment Stations, University of Florida.] \* Paper, 20c. L.C. card Agr 66-272
- 14143 766. Losses in transporting and handling grain by selected grain marketing cooperatives; [by] Joseph E. Rickenbacker and William H. Thompson. [Aug. 1966.] iv+22 p. il. 4° (Farmer Cooperative Service.) † L.C. card Agr 66-287

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Commerce, Springfield, Va. 22151

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Page 3

## Marketing research reports—Continued

- 14144 767. Young people's use and appraisal of natural and competing fibers in wearing apparel; [by Special Survey Branch, Standards and Research Division, Statistical Reporting Service]. [Aug. 1966.] cover title, ii+190 p. 4° (Statistical Reporting Service.) †  
L.C. card Agr 66-293

## Miscellaneous publications. ● Item 13-A A 1.38:(nos.)

- 14145 1014. Opportunities for doctors of veterinary medicine in USDA. [June 1966.] [4] p. il. [Supersedes MP 858 Opportunities for doctors of veterinary medicine in ARS.] †
- 14146 1021. Storage shed for fertilizer, 40 ton capacity. July 1966. 2 p. il. 4° (Co-operative farm building plan exchange; plan 5966.) \* Paper, 5c.
- PA [Program aid] (series). ● Item 14-A A 1.68:(nos.)
- 14147 268. Outline for teaching conservation in elementary schools [with list of references]. [Aug. 1955, slightly revised July 1966.] [1966.] [2]+14 p. il. 4° (Soil Conservation Service.) †
- 14148 399. Packers and stockyards act, what it is, how it operates. [Revised July 1963, slightly revised July 1966.] [1966.] [2]+8+[1] p. il. (Consumers and Marketing Service, Packers and Stockyards Division.) †
- 14149 728. Shopper's guide for canned peas. July 1966. [4] p. il. 4° (Consumer and Marketing Service.) \* Paper, 5c.

## Production research report. ● Item 13-C

- 14150 93. Anatomical and agronomic studies of phormium in western Oregon [with list of literature cited; by Yesh Pal Puri and others]. [Aug. 1966.] [3]+43 p. il. (Agricultural Research Service.) [Prepared in cooperation with Oregon Agricultural Experiment Station.] \* Paper, 15c.  
L.C. card Agr 66-290 A 1.84: 93
- 14151 [Remarks by Secretary of Agriculture Orville L. Freeman at National Legislative Leaders Conference, Washington, D.C., June 16, 1966.] [1966.] 9 p. 4° (2987; USDA 1830-66.) † A 1.40: F 87/240
- 14152 [Remarks by Secretary of Agriculture Orville L. Freeman at signing ceremonies for 1st Greenspan agreement under cropland adjustment program in Newark, N.Y., May 26, 1966.] [1966.] 13 p. 4° (2808; USDA 1603-66.) † A 1.40: F 87/237
- 14153 [Remarks by Secretary of Agriculture Orville L. Freeman to Board of Directors of International Voluntary Services, Washington, D.C., May 25, 1966.] [1966.] 8 p. 4° (2798; USDA 1589-66.) †  
A 140: F 87/236
- 14154 [Report and review session statement by Secretary of Agriculture Orville L. Freeman at Bismarck, N. Dak., July 23, 1966.] [1966.] 16 p. 4° (2207; USDA 2282-66.) † A 1.40: F 87/247
- 14155 [Report and review session statement by Secretary of Agriculture Orville L. Freeman at Columbus, Nebr. July 23, 1966.] [1966.] 17 p. 4° (2206; USDA 2281-66.) † A 1.40: F 87/248
- 14156 [Report and review session statement by Secretary of Agriculture Orville L. Freeman at Janesville, Wis., July 22, 1966.] [1966.] 16 p. 4° (2205; USDA 2280-66.) † A 1.40: F 87/246
- 14157 [Report and review session statement by Secretary of Agriculture Orville L. Freeman at Seymour, Ind., July 22, 1966.] [1966.] 17 p. 4° (2196; USDA 2268-66.) † A 1.40: F 87/249
- 14158 [Report and review session statement by Secretary of Agriculture Orville L. Freeman at Spencer, Iowa, June 18, 1966.] [1966.] 13 p. 4° 3010; USDA 1859-66.) † A 1.40: F 87/242
- 14159 Report of technical study group: Addendum to statistical appendix of Cotton in Soviet Union. [July 1966.] [2] p. 4° ([Foreign Agricultural Service.]) †  
L.C. card Agr 59-189 A 1.94: C 82/add.-7
- 14160 [Speech to be delivered by Secretary of Agriculture Orville L. Freeman before Overseas Press Club, New York, N.Y., Apr. 13, 1966.] [1966.] 18 p. 4° (2460; USDA 1122-66.) † A 1.40: F 87/229

\*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

Statistical bulletin. ● Item 15

- 14161 375. Consumption of commercial fertilizers and primary plant nutrients in United States, 1850-1964, and by States, 1945-64. June 1966. cover title, 84 p. il. 4° (Statistical Reporting Service, Crop Reporting Board.) \* Paper, 45c.  
L.C. card Agr 66-224 A 1.34 : 375

Technical bulletins. † ● Item 16

A 1.36 : (nos.)

- 14162 1351. Aggregate economic effects of alternative land retirement programs, linear programming analysis [with list of literature cited; by Norman K. Whittlesey and Earl O. Heady]. [Aug. 1966.] cover title, iv+54 p. il. (Economic Research Service.) [Prepared in cooperation with Center for Agricultural and Economic Development, Iowa Agricultural and Home Economic Experiment Station, Iowa State University.]  
L.C. card Agr 66-271
- 14163 1358. Effect of annual applications of diuron on seed yields of perennial grasses in Oregon [with list of literature cited; by William O. Lee]. [July 1966.] [3]+23 p. il. ([Crops Research Division], Agricultural Research Service.) [Prepared in cooperation with Oregon Agricultural Experiment Station.]  
L.C. card Agr 66-259
- 14164 1361. Fiber and papermaking characteristics of bamboo [with list of literature cited; by J. R. Haun, T. F. Clark, and George A. Whitel.]. [Aug. 1966.] [3]+19 p. (Agricultural Research Service.) \* Paper, 15c.  
L.C. card Agr 66-278

AIR FORCE ACADEMY, Defense Dept.  
United States Air Force Academy, Colo. 80840

- 14165 Eighth Air Force Academy Assembly, cultural affairs and foreign relations, Mar. 30-Apr. 2, 1966, co-sponsored by American Assembly, Columbia University, New York, and United States Air Force Academy, final report. [1966.] 98+[2] p. il. †  
L.C. card 66-62435 D 305.11 : 966

Harmon memorial lectures in military history.

- 14166 8. Innovation and reform in warfare; [by] Peter Paret. 1966. [5]+17 p. il. † (Available to colleges, universities, and libraries). D 305.10 : 8

AIR FORCE DEPARTMENT, Defense Dept.  
Washington, D.C. 20330

Air Force manual AFM (series).

- 14167 50-3. Air Force leadership. [Aug. 1, 1966.] cover title, ii+143+[45] p. il. 4° [Supersedes AFM 50-3, July 1, 1964.] † ● Item 421 D 301.7 : 50-3/2
- 14168 68-3. See Defense Department, Defense Supply Agency handbook DSAH 4160.1.
- 14169 88-3, chap. 13. See Army Department, Technical manual 5-809-10.
- 14170 88-19, chap. 2. See Army technical manual TM 5-852-2.
- 14171 88-40, chap. 1. See Army Department Technical manual 5-892-1.
- 14172 88-40, chap. 42. See Army Department Technical manual 5-892-2.

Air Force pamphlet AFP (series).

- 14173 40-20-5. Employment for librarians with Air Force. July 1, 1966. [2]+14 p. il. narrow 8° [Supersedes Mar. 1, 1963 issue.] † ● Item 421-A D 301.35 : 40-20-5/2
- 14174 190-1-12. See Armed Forces Information and Education, DOD pamphlet 1-20.
- 14175 190-1-22. See Armed Forces Information and Education, DoD pamphlet PA-10.
- 14176 211-1-10. See Armed Forces Information and Education, DOD pamphlet PA-1.
- 14177 213-1-1. See Armed Forces Information and Education, DoD pamphlet 7-12.

Air Force Systems Command pamphlet AFSCP (series).

- 14178 80-5. Research and development: Guide for design, conduct, and analysis of Air Force tests [with select bibliography] Apr. 1, 1966. cover title, iii+[71] p. il. 4° [Issued with perforations.] † ● Item 421-A D 301.35/3 : 80-5  
L.C. card 66-62511

14179 Lunar charts and mosaic [charts of the moon] series.

NOTE.—The 1st series of charts consisting of LEM-1, 1A, LAC 58, 76, 57, 75, 74, 93, 60, 61, 78, 79, 59, 77 and 56, may be purchased as a set, \*\$7.50 per set.

The 2d series, consisting of LEM-1B, LAC 41, 40, 39, 62, 80, 94, 42 and 95, may be purchased as a set, \$5.50 per set.

The 3d series, which when complete will include LAC 38, 96, 97, 43, 44, 98, 92, 25, 24, 114 may also be purchased on subscription basis, \*\$4.50 domestic, \$1.00 additional for foreign mailing, and 50c. per single copy.



# GOVERNMENT PUBLICATIONS

## Lunar charts and mosaic [charts of the moon] series—Continued

- LAC 98. Petavius. Scale 1:1,000,000. 1st edition May 1966. Aeronautical Chart and Information Center [June 1966]. 22 x 29 in. [Lambert conformal projection. Published for Air Force and National Aeronautics and Space Administration. Clarification of surface features appears on verso.] D 301.49/4: LAC 98
- 14180 Lunar charts [Apollo intermediate charts] AIC (series). [Mercator projection. Published for National Aeronautics and Space Administration.] L.C. card Map 66-58 D 301.49/4: AIC (nos.)
- NOTE.—This series, which when complete will include AIC 58C, 58D, 60D, 77A, 59C, 59D, 60C, 77B, 78A, 78B, 79A, 61D, 76A, 76B, 61C, 79B, 57C, and 75B, may also be purchased on a subscription basis, \*\$8.50, \$2.00 additional for foreign mailing, and 50c. per single copy.
- 60C. Arago. Scale 1:500,000. 1st edition Mar. 1966. Aeronautical Chart and Information Center [May 1966]. 22 x 29 in. [Clarification of surface features appears on verso.]
- 14181 61D. Maskelyne D. Scale 1:500,000. 1st edition May 1966. Aeronautical Chart and Information Center [June 1966]. 22 x 29 in. [Clarification of surface features appears on verso.]
- 14182 79A. Capella. Scale 1:500,000. 1st edition June 1966. Aeronautical Chart and Information Center [June 1966]. 22 x 29 in. [Clarification of surface features appears on verso.]
- Personnel Research Laboratory: Technical report PRL-TR (series). (Aerospace Medical Division, Air Force Systems Command, Lackland Air Force Base, Tex.) D 301.45/27: (nos.)
- 14183 65-23. Abstracts of personnel research reports: [v. 6, 1954-65; compiled by Jo Ann Elson. Dec. 1965. v+99+[2] p. 4° ([Projects 6755, 7717, 7719 and 7734.]) †(Price upon application).]
- 14184 66-4. Perceptual-psychomotor tests in aircrew selection, historical review and advanced concepts [with lists of references]; by George E. Passey, William A. McLaurin. June 1966. vi+236+[2] p. 4° ([Contract AF41(609)2796, project 7719, task 771904; Lockheed-Georgia Company.]) †(Price upon application).]
- 14185 Proceedings, symposia on arctic biology and medicine: 5, Nutritional requirements for survival in cold and at altitude [with lists of references]; editor, Lucile Vaughan. 1965. cover title, xi+363 p. ill. (Arctic Aeromedical Laboratory, Fort Wainwright, Alaska.) ‡ L.C. card 66-62540 D 301.45: Ar 2/no.5
- 14186 Ranger VIII lunar charts RIC (series); compiled and published for National Aeronautics and Space Administration by Aeronautical Chart and Information Center. \* Paper, \$2.50 per set of 7 charts. D 301.49/4: RIC-6-12
6. Hypatia. Scale 1:1,000,000 at 11°45'. 1st edition Mar. 1966. [June 1966.] 22 x 29 in. [Mercator projection. Clarification of surface features on verso.]
7. Sabine. Scale 1:250,000 at 11°00'45". 1st edition Mar. 1966. [June 1966.] 22 x 29 in. [Mercator projection. Clarification of surface features on verso.]
8. Sabine D. Scale 1:100,000 at 11°00'45". 1st edition Mar. 1966. [June 1966.] 22 x 29 in. [Mercator projection. Clarification of surface features on verso.]
9. Sabine DM. Scale 1:50,000 at 11°00'45". 1st edition Mar. 1966. [May 1966.] 22 x 29 in. [Mercator projection. Clarification of surface features on verso.]
10. Sabine EF. Scale 1:15,000 at 11°00'45". 1st edition Mar. 1966. [May 1966.] 22 x 29 in. [Mercator projection. Clarification of surface features on verso.]
11. Sabine EB. Scale 1:5,000 at 11°00'45". 1st edition Mar. 1966. [May 1966.] 22 x 29 in. [Mercator projection. Clarification of surface features on verso.]
12. Sabine EBF. Scale 1:2,000 at 11°00'45". 1st edition Mar. 1966. [June 1966.] 22 x 29 in. [Mercator projection.]
- 14187 Ranger IX lunar charts RLC (series); compiled and published for National Aeronautics and Space Administration by Aeronautical Chart and Information Center. \* Paper, \$1.75 per set of 5 charts. D 301.49/4: PLC 13-17
13. Ptolemaeus. Scale 1:1,000,000 at 11°00'45". 1st edition May 1966. [June 1966.] 22 x 29 in. [Mercator projection. Clarification of surface features on verso.]
14. Alphonsus. Scale 1:250,000 at 11°00'45". 1st edition May 1966. [June 1966.] 22 x 29 in. [Mercator projection. Clarification of surface features on verso.]

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15. Alphonsus GA. Scale 1:50,000 at 11°00'45". 1st edition May 1966. [June 1966.] 22 x 29 in. [Mercator projection. Clarification of surface features on verso.]
16. Alphonsus GP. Scale 1:10,000 at 11°00'45". 1st edition May 1966. [June 1966.] 22 x 29 in. [Mercator projection. Clarification of surface features on verso.]
17. Alphonsus GLH. True scale at 11°00'45". 1st edition May 1966. [June 1966.] 22 x 29 in. [Mercator projection.]

School of Aerospace Medicine: Aeromedical reviews. (Aerospace Medical Division (AFSC), Brooks Air Force Base, Tex.) ‡

D 301.26/13-4: (nos.)

- 14188 3-66. Pharmacology and toxicology of propellant fuels; Boron hydrides [with list of references; by] James H. Merritt. June 1966. [1]+11 p.
- 14189 4-66. Primer of vestibular function, spatial disorientation, and motion sickness [with bibliography; by] Kent K. Gillingham. June 1966. iii+80 p. il.

——— Technical report SAM-TR (series). (Aerospace Medical Division (AFSC), Brooks Air Force Base, Tex.) ‡

D 301.26/13-6: (nos.)

- 14190 66-21. Postirradiation creatinuria in *Macaca mulatta* primates [with list of references; by] I. G. Peters, H. E. Hamilton. Aug. 1966. cover title, iii+5+[2] p. il. 4° [Prepared in Radiobiology Branch under task 775702.]
- 14191 66-46. Factors in job-satisfaction: [by] George K. Cantrell, Lewis S. Sims, jr., Bryce D. Hartman. May 1966. cover title, iii+3+[2] p. 4° [Prepared in Biodynamics Branch under task 793003.]
- 14192 66-57. Factors in job-satisfaction, analysis of spontaneous comments: [by] George K. Cantrell, Lewis S. Sims, jr., Bryce O. Hartman. June 1966. cover title, iii+11+[2] p. il. 4° [Prepared by Biodynamics Branch under task 793003.]
- 14193 66-58. Intraspecies biologic and behavioral variability [with list of references; by] Stirling P. Stackhouse. June 1966. cover title, iii+23+[2] p. il. 4° [Prepared at Honeywell, Inc., Research Systems and Research Division, St. Paul, Minn., under task 775702, contract AF 41(609)-2937.]
- 14194 66-63. Speed of recovery from coriolis stimulation in motion sickness in relation to pilots and nonpilots [with list of references; by] Patrick J. Dowd. July 1966. cover title, iii+4+[2] p. 4° [Prepared in Aeromedical Indoctrination Branch under task 775003.]
- 14195 66-71. Evaluation of 2 percent gold visor: [by] John A. Carpenter, Everett O. Richey. Aug. 1966. cover title, iii+4+[2] p. il. 4° [Prepared Ophthalmology Branch under task 630103, project 5710, subtask 03.003.]
- 14196 66-212. Influence of manned space flight on cardiovascular function [with list of references; by] Lawrence E. Lamb. Jan. 1966. cover title, p. 118-133+[2] p. 4° [Reprinted from *Cardiologia* 48, 1966. Summary in [English, German, and French.]

- 14197 United States Air Force report, fiscal year 1966 [to our shareholders]. [1966.] [2]+14+[4] p. il. 12° ‡ ● Item 424 D 301.2: Ai 7/10/966

#### AIR TRAFFIC SERVICE, Federal Aviation Agency Washington, D.C. 20553

- 14198 Aviation weather procedures handbook, 7200.1, change 2. [May 23, 1966.] [19] p. 4° [Effective Aug. 18, 1966; cancellation date Jan. 1, 1967. Issued in looseleaf form.] ‡ ● Item 431-D-1 FAA 3.8/2: W 37/ch.2
- 14199 International flight information manual, v. 14, Apr. 1966. [1966.] xxix+107 p. il. 4° (Flight Information Division, National Flight Data Center (AT-430).) [Issued with perforations.] \* Paper, \$1.25 (including basic manual and supplementary service for 1 year); 25c. additional for foreign mailing. [Amdt. 1, dated July 1966, 50 p., issued also.] ● Item 431-C-18 FAA 3.13: 14

#### APPRENTICESHIP AND TRAINING BUREAU, Labor Dept. Washington, D.C. 20210

- 14200 Apprenticeship and training policy for dental laboratory technicians, developed and adopted by National Association of Dental Laboratories, Incorporated, and recognized by Bureau of Apprenticeship and Training. 1966 edition. [1966.] cover title, [2]+29 p. il. [Text on p. 2 of cover.] ‡ ● Item 748  
L.C. card 66-62536 L 23.2: D 43/966

‡For Sale by Clearinghouse, U.S. Department of  
Commerce, Springfield, Va. 22151  
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- 14201 Apprenticeship and training standards for automobile mechanic, body repairman and painter, developed by Independent Garage Owners of America. 1966 edition [1966.] cover title, iv+27 p. il. [Prepared by IGOA National Apprenticeship and Technical Training Committee and approved by Independent Garage Owners of America, Inc., in accordance with recommended standards of Bureau of Apprenticeship and Training, in cooperation with Department of Labor, Bureau of Apprenticeship and Training.] † ● Item 748  
L.C. card 66-62539 L 23.2: Au 8/3/966

- 14202 National apprenticeship and training standards for glaziers and glassworkers, adopted by National Joint Glazier and Glassworker Apprenticeship Committee, representing employers in glass and glazing industry and Brotherhood of Painters, Decorators, and Paperhangers of America, in conformance with basic recommendations of Bureau of Apprenticeship and Training. 1966 edition. [1966.] cover title, ix+22 p. il. [Text on p. 2 of cover.] † ● Item 748  
L.C. card 66-62536 L 23.2: G 46/3/966

ARMED FORCES INFORMATION AND EDUCATION, Defense Dept.  
Washington, D.C. 20301

DoD pamphlets. ● Item 312-A

- 14203 7-12. Correspondence courses offered by colleges and universities through United States Armed Forces Institute: [July 29, 1966.] [Revised 1966.] [1966.] cover title, [1]+396 p. 4° ([Army Dept.] DA Pam. 350-6; [Navy Dept.] NAVPERS 15819N; [Air Force Dept.] AFP 213-1-1; [Marine Corps]; NAVMC 1084 (Rev. [1966]).] [Supersedes DoD Pam 7-12, DA Pam. 350-6, NAVPERS 15819N, AFP 213-1-1, NAVMC 1084 (Rev. 1965.), June 28, 1965.] †  
L.C. card 56-63989 D 2.14: 7-12/4
- 14204 GEN-24. Women in Armed Forces. [July 21, 1966.] 12 p. il. 4° †  
D 2.14: GEN-24
- 14205 PA-1A. Disability separation, facts for your future. [1966.] vi+68 p. il. oblong 32° ([Army Dept. DA Pam. 360-506 (rev. 66); Navy Dept. NAVPERS 15863E; Air Force Dept. AFP 211-1-10 (rev. 66); Marine Corps NAVMC 1117-PD (rev. 66); Coast Guard, CG-283.]) [Supersedes DOD PA-1 DA Pam. 360-506, NAVPERS 15863D AFP 211-1-10, NAVMC 1117-PD (rev. 65), CG 283, Sept. 3, 1964.] †  
D 2.14: PA-1A
- 14206 PA-10. Credit, master of servant? [1966.] cover title, iv+52 p. il. small 4° ([Army Dept.], DA Pam 360-520; [Navy Dept.] NAVPERS 15221; [Air Force Dept.], AFP 190-1-22; [Marine Corps], NAVMC 2613.)  
\* Paper, 25c. D 2.14: PA-10

ARMS CONTROL AND DISARMAMENT AGENCY  
Washington, D.C. 20451

- 14207 Community readjustment to reduced defense spending, case studies of potential impact on Seattle-Tacoma, Baltimore and New London-Groton-Norwich [final report]. Dec. 1965. [published 1966]. [427] p. 4° ([Publication 33.]) [Prepared by National Planning Association under contract ACDA/E-57. Title on cover is: Community adjustment to reduced defense spending.] \* Paper, \$2.00. ● Item 125-A-3  
L.C. card 66-62466 AC 1.2: C 73/2

ARMY DEPARTMENT, Defense Dept.  
Washington, D.C. 20310

AMC pamphlets. (Army Materiel Command.) † ● Item 322-A

D 101.22/3: (nos.)

- 14208 230-1. Nonappropriated funds and related services: Open mess management handbook [with list of references]. July 1966. cover title, v+57 p. 4° [Text on p. 2 of cover. Issued with perforations.]  
L.C. card 66-62512
- 14209 700-1. Logistics: Machining data. May 1966. cover title, [1]+vii+601 p. il. 4° [Prepared by Metcut Research Associates Inc. under contract DA-11-070-AMC-224(W). Includes list of sources of machining data. Text on p. 2-3 of cover. Replaces ORDP 40-1, July 29, 1961. Issued with perforations.]  
L.C. card 66-62467

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## Cold Regions Research &amp; Engineering Laboratory, Hanover, N.H.: Research report. (Army Materiel Command.)

- 14210 87. Plane plastic deformation of soils [with list of literature cited]: by Shunsuke Takagi. July 1966. iv+42+[2] p. il. 4° (DA task IV014501B52A02.) [Errata sheet, 1 p., issued also.] ‡ D 103.33/3: 87

## — Special report. (Army Materiel Command.)

- 14211 72. Performance study of DEWline ice cap stations, Greenland, 1963 [with selected bibliography]: by S. C. Reed. May 1966. iv+25 p. il. 4° (DA task IV025001A13001.) [Errata, 1 p., issued also.] ‡ D 103.33/2: 72

## — Technical report. (Army Materiel Command.)

- 14212 175. Spread footing foundations on snow [with list of literature cited]: by Sherwood C. Reed. Apr. 1966. iv+40+[2] p. il. 4° [Errata sheet, 1 p. 4°, was issued also.] ‡ D 103.33: 175

- 14213 Executive Corridor [of] Secretary of Army and Chief of Staff, Army [Pentagon]. [1966.] cover title, [24] p. il. oblong 12° [This exhibit of reproduction of paintings has for its theme saga of glory which began with birth of United States Army in 1775.] ‡ ● Item 325  
D 101.2: Ex 3/2

## Pamphlets. ● Item 327

- 14214 30-1. Food service, Army rations, food packets, and supplements. June 1966. cover title, 21 p. il. 16° [Issued with perforations. Supersedes TE QM52, Sept. 11, 1962.] ‡ D 101.22: 30-1
- 14215 350-6. See Armed Forces Information and Education, DoD pamphlet 7-12.
- 14216 360-506. See Armed Forces Information and Education DOD pamphlet PA-1A.
- 14217 360-520. See Armed Forces Information and Education, DoD pamphlet PA-10.
- 14218 600-2. See Armed Forces Information and Education, DoD pamphlet 1-20.
- 14219 601-1. Become a leader, apply for OCS. June 1, 1966. vi+21 p. il. 4° [Title on cover is: OCS story, train today, lead tomorrow. Supersedes DA Pam 20-18, Mar. 1963. cover illustration is colored.] ‡  
D 101.22: 601-1/2

- 14220 Reports of General MacArthur: Campaigns of MacArthur in the Pacific, v. 1; prepared by his General Staff. [1966.] xvi+490 p. il. large 4° [Illustrated lining papers. Some illustrations are colored.] \* Cloth, \$10.00 ● Item 325  
L.C. card 66-60005  
D 101.2: M 11/v.1

## SMC pamphlet. (Supply and Maintenance Command.) ● Item 322-A

- 14221 1-4. Administration: Project listing. May 1966. cover title, 159 p. 4° [While data based on as of Oct. 15, 1965 date, no projects completed as of Oct. 29, 1965, included. Issued with perforations. Supersedes SMC pamphlet 1-4 Nov. 1, 1965.] ‡  
L.C. card 66-62465  
D 101.22/5: 1-4

## Technical manual TM (series).

D 101.11: (nos.)

- 14222 5-800-1. Basic criteria and construction standards for Army facilities [with list of references]. Aug. 1966. cover title, 67+[63] p. 4° [Issued in looseleaf form. Supersedes TM 5-800-1, Nov. 1, 1963, previously designated Corps of Engineers manual EM-1110-3-101, including Changes 1, 2, 4 and 5.] ‡ ● Item 329
- 14223 5-809-10. Seismic design for buildings [with list of references]. Mar. 1966. v+[313] p. il. 4° (Department of Navy publication, NAVDOCKS P-355; Department of Air Force manual, AFM 88-3, chap. 13.) [Prepared jointly by Departments of Army, Navy, and Air Force.] \* Paper, \$3.50. ● Item 329  
L.C. card 66-62522
- 14224 5-838-2. Medical facilities, design of Army medical facilities, Change 1. May 20, 1966. [1]+10 p. [Issued with perforations.] ‡ ● Item 329
- 14225 5-842-3. Dining facilities for enlisted personnel [with list of references]. Aug. 1966. cover title, 11+[1] p. 4° [Issued with perforations. Supersedes that part of TM 5-842-1 (EM 1110-3-201) July 2, 1959 which pertains to enlisted dining facilities.] ‡ ● Item 329
- 14226 5-852-2. Arctic and subarctic construction site selection and development [with list of references]. July 1966. cover title, [47] p. il. 4° (Air Force Department AFM 88-19, chap. 2.) [Issued with perforations. Supersedes TM 5-852-2, Oct. 1954 previously designated as both Engineering manual for military construction, pt. 15, chap. 2 and Corps of Engineers manual EM 1110-3-45-371.] ‡ ● Item 329  
L.C. card 66-62523
- 14227 5-892-1. Arctic and subarctic construction: General provision, emergency construction [with list of references]. July 1966. cover title, 36+[3] p. il. 4° (Air Force Dept. manual AFM 88-40, chap. 41.) [Issued in looseleaf form.] ‡  
L.C. card 66-62525  
D 101.11: 5-892-1

# GOVERNMENT PUBLICATIONS

## Technical manual TM (series)—Continued

- 14228 5-892-2. Arctic and subarctic construction: Site selection and development, emergency construction [with list of references]. July 1966. cover title, 10+[31] p. il. 4° (Air Force Dept. manual AFM 88-40, chap. 42.) [Issued in looseleaf form.] ‡  
L.C. card 66-62524
- 14229 10-300. Military fixed drycleaning plant. Mar. 1966. cover title, 132 p. il. 4° [Supersedes TM-10-300, Aug. 22, 1955, including C 6, Apr. 5, 1961.] ‡ ● Item 329
- 14230 55-204. Maintenance of railroad way and structures [with list of references]. June 1966. cover title, 78+[1] p. il. 4° [Issued with perforations.] ‡ ● Item 329
- 14231 755-200. See Defense Department, Defense Supply Agency handbook DSAH 4160.1.

## USAAVLABS technical reports. (Army Aviation Materiel Laboratories, Fort Eustis, Va.) ‡ D 117.8/2:(nos.)

- 14232 66-10. XV-9A hot cycle research aircraft program, summary report [with list of references]: by S. Cohan, N. B. Hirsh. June 1966. cover title, [1]+x+71+[2] p. il. 4° (Contract DA 44-177-AMC-877(T), [task 1M121401D14403].) [Prepared by Hughes Tool Company, Aircraft Division, Culver City, Calif.]
- 14233 66-34. Cost and effectiveness evaluation of automated cargo delivery systems in Army aircraft, final report [with bibliography]: by Donald A. Andrastek, Reginald R. Belding, James W. Wollaston. June 1966. [1]+xix+196+[2] p. il. 4° (Project 1F 121401A254, contract DA 44-177-AMC-270(T); Douglas report DAC 56004.) [Prepared by Douglas Aircraft Company, Ind., Aircraft Division, Long Beach, Calif.]

## USAPRO technical research note. (Army Personnel Research Office.)

- 14234 164. Team procedures in image interpretation [with selected bibliography]: by Stanley F. Bolin, Robert Sadacca, and Harold Martinek. Dec. 1965. [8]+32 p. 4° (Support Systems Research Laboratory; Army project 2J620901A721, Component integration c-11.) [There are no pages numbered 26 and 28 but no text is missing.] Φ (Price upon application, AD480533). D 101.60:164

## ARMY MEDICAL SERVICE, Defense Dept. Washington, D.C. 20310

### Army Medical Research & Nutrition Laboratory, Fitzsimmons General Hospital, Denver, Colo., report.

- 14235 297. Human body density and fat of adult male population as measured by water displacement [with bibliography]: by Harry J. Krzywicki and Kenneth S. K. Chiun. July 21, 1966. ii+13+[2] p. 4° (Project 3A14501B71k research in biomedical science, task 02, internal medicine, work unit 061, work performance and body composition as related to environment and nutritional status.) ‡ D 104.17:297

## ATOMIC ENERGY COMMISSION Washington, D.C. 20545

### AEC research and development reports. Y 3.At 7/22:(letters-nos.)

- 14236 NAS-NS-3109. Nuclear science series: Radiochemical techniques, Processing of counting data; [by P.C. Stevenson]. [May 1966.] cover title, vi+167 p. il. (National Academy of Sciences, National Research Council.) Φ Paper, \$1.75.
- 14237 PNE-515. Plowshare, civil, industrial and scientific uses for nuclear explosives. Project Pre-Schooner II. Bruneau Plateau, Idaho, Sept. 30, 1965, final report: Subsurface effects measurements [with bibliography]: by] M. Heusinkveld, R. E. Marks. June 1966. cover title, 45 p. il. 4° (U.S. Army Engineer Nuclear Cratering Group, Livermore, Calif.). Φ Paper, \$2.00.
- 14238 New era of international science, remarks by Glenn T. Seaborg, Chairman, Atomic Energy Commission, at International Conference on Nuclear Physics, Gatlingburg, Tenn., Sept. 13, 1966. 1966. 12 p. 4° (S-25-66.) ‡ Y 3.At 7:34 Se 1/108
- 14239 Plowshare program during 1965. [1966.] cover title, 22 p. il. [Based on annual report to Congress for 1965 of Atomic Energy Commission.] \* Paper, 15c. Y 3.At 7:2 P 72/2/965
- 14240 United States uranium resources and requirements for civilian power, remarks by Rafford L. Faulkner, Director, Division of Raw Materials, Atomic Energy Commission, International Nuclear Industries Fair and Technical Meetings, Basel, Switzerland, Sept. 8, 1966. [1966.] 8 p. 6 leaves, il. 4° (S-23-66.) ‡ Y 3.At 7:34 F 27/6

\*For Sale by Superintendent of Documents

‡Distribution Made by Issuing Office

‡Official Use. Not Available

- 14241 Uranium, supply and demand situation, remarks by Wilfrid E. Johnson, commissioner, Atomic Energy Commission, before American Mining Congress, Salt Lake City, Utah, Sept. 14, 1966. 1966. 9 p. 4° (S-26-66.) † Y 3.At 7: 34 J 639
- 14242 X-10 reactor, landmark of nuclear age, remarks by Glenn T. Seaborg, Chairman, Atomic Energy Commission, at designation of X-10 reactor as national historic landmark, Oak Ridge, Tenn., Sept. 13, 1966. 1966. 3 p. 4° (S-24-66.) † Y 3.At 7: 34 Se 1/107

**AVIATION MEDICINE OFFICE, Federal Aviation Agency**  
Washington, D.C. 20553

Aviation medical report AM (series).

- 14243 66-18. Evaluation of head and face injury potential of current airline seats during crash decelerations [with list of references; by] John J. Swearingen. June 1966. [4]+14+[2] p. il. 4° Φ (Price upon application). FAA 7.12: 66-18

**BUDGET BUREAU, Executive Office of the President**  
Washington, D.C. 20503

Working papers. †

PrEx 2.17: (nos.)

- 14244 [66-1.] Federal-State-local cooperative arrangements in statistics, statements on programs and problems of Federal-State-local cooperative arrangements for selected statistical activities prepared for National Conference of Comparative Statistics, Feb. 23-25, 1966, Washington, D.C. [1966.] cover title, 47 p. 4° (Office of Statistical Standards.) [Publication incorrectly numbered 1.]
- 14245 66-2. Program of Interagency Committee on Occupational Classification, Bureau of Budget, progress report on review of collection and classification procedures in Federal agencies and plans for future work; prepared by Ann R. Miller. Mar. 1966. 13 p. 4° (Office of Statistical Standards.)

**BUSINESS AND DEFENSE SERVICES ADMINISTRATION, Commerce**  
Dept., Washington, D.C. 20230

- 14246 Facts for marketers: Standard metropolitan statistical areas in South Atlantic region geographical division. Apr. 1966. [2]+48+[2] p. oblong 12°. [Text on p. 2 of cover. Includes list of reference sources.] \* Paper, 35c. ● Item 215
- L.C. card 66-61205 C 41.2: M 34/3/sa

**BUSINESS ECONOMICS OFFICE, Commerce Dept.**  
Washington, D.C. 20230

Growth patterns in employment by county, 1940-50 and 1950-60. (Regional Economics Division.) ● Item 227-A.

- 14247 v. 8. Far West [with list of some related references]; by Lowell D. Ashby. [1965, published 1966.] xvi+[73] p. il. 4° \* Paper, 60c. C 43.2: Em 7/v.8
- L.C. card 65-61774

**CENSUS BUREAU, Commerce Dept.**  
Suitland, Md. 20233

- 14248 Announcement and order form, 1963 census of business area statistics v. 2, 5, and 7), retail, wholesale, services. Apr. 1966. [2] p. oblong 8°, folded into oblong 48° size. (Form BC-1226.) † C 3.202/14: 963-7
- Annual survey of manufactures, 1964, M64 (AS). (series).
- 14249 7.0. General statistics for divisions and States. [1966.] 3 p. 4° † Paper, 10c. C 3.24/9: M 64 (AS)-7.0

1963 census of manufactures: [Area statistics] MC63(3)-(series). [Prepared in Industry Division. Preprint of corresponding chapter of v. 3, Area statistics.] ● Item 137 C 3.24/3: 963/(nos.)

- 14250 3. Arizona. [Aug. 1966.] cover title, vi+16 p. il. 4° \* Paper, 25c.
- 14251 46. Vermont. [1966.] cover title, vi+14 p. il. 4° \* Paper, 25c.
- 14252 48. Washington. [Aug. 1966.] cover title, vi+22 p. il. 4° [Text on p. 2 of cover.] \* Paper, 30c.
- 14253 51. Wyoming. [Aug. 1966.] cover title, vi+12 p. il. 4° \* Paper, 25c.

ΦFor Sale by Clearinghouse, U.S. Department of  
Commerce, Springfield, Va. 22151  
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## 1963 census of manufactures: Special report MC 63(S)-(series). ● Item 135 C 3.24/15: 963/(nos.)

- 14254 4.1. Location of manufacturing plants by county, industry, and employment size: pt. 1, New England division, Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut. [Aug. 1966.] cover title, iv+43 p. 4° \* Paper, 45c.
- 14255 4.2. Same: pt. 2, Middle Atlantic division: New York, New Jersey, Pennsylvania. [Aug. 1966.] cover title, iv+96 p. 4° \* Paper, 65c.
- 14256 4.3. Same: pt. 3, East North Central division: Ohio, Indiana, Illinois, Michigan, Wisconsin. [Aug. 1966.] cover title, iv+133 p. 4° \* Paper, \$1.00.
- 14257 4.4. Same: pt. 4, West North Central division: Minnesota, Iowa, Missouri, North Dakota, South Dakota, Nebraska, Kansas. [Aug. 1966.] cover title, iv+85 p. 4° \* Paper, 60c.
- 14258 4.5. Same: pt. 5, South Atlantic division, Delaware, Maryland, District of Columbia, Virginia, West Virginia, North Carolina, South Carolina, Georgia, Florida. [Aug. 1966.] cover title, iv+112 p. 4° \* Paper, 65c.
- 14259 4.6. Same: pt. 6, East South Central division, Kentucky, Tennessee, Alabama, Mississippi. [Aug. 1966.] cover title, iv+59 p. 4° \* Paper, 45c.
- 14260 4.8. Same: pt. 8, Mountain division, Montana, Idaho, Wyoming, Colorado, New Mexico, Arizona, Utah, Nevada. [Aug. 1966.] cover title, iv+41 p. 4° \* Paper, 40c.

## 1963 census of mineral industries: [Industry statistics] MIC63(1) (series). [Preprint from v. 1, General summary and industry statistics.] ● Item 158 C 3.216: 963/(nos.)

- 14261 10E. Metal mining services and miscellaneous ores; [prepared by Wilhelmina F. Whiting, assisted by Frank Roy]. [July 1966.] cover title, vi+32 p. il. 4° \* Paper, 35c.
- 14262 14B. Stone; [prepared by Wilhelmina F. Whiting, assisted by Patricia L. Horning]. [Aug. 1966.] cover title, vi+68 p. il. 4° \* Paper, 45c.

## Construction reports: Building permit, C 42 (series).

- 14263 65-13. Housing authorized in permit-issuing places: Summary statistics, 1965. [1966.] cover title, [1]+41 p. il. 4° ([Construction Statistics Division.]) † Paper, 10c. ● Item 140-A (Rev.) L.C. card A 64-7412 C 3.215/6: C 42-65-13

## County business patterns, CBP (series). [Prepared in cooperation with Social Security Administration.] ● Item 133-A C 3.204:(nos.)

- 14264 65-21. Maine, 1965. [Aug. 1966.] cover title, viii+33 p. il. 4° [Text on p. 2 of cover.] \* Paper, 40c.
- 14265 65-23. Massachusetts, 1965. [Aug. 1966.] cover title, viii+71 p. il. 4° [Text on p. 2 of cover.] \* Paper, 60c.
- 14266 65-41. Rhode Island, 1965. [Oct. 1966.] cover title, viii+26 p. il. 4° [Text on p. 2 of cover.] \* Paper, 35c.

## County business patterns, 1964. (Business Division.) [Prepared in cooperation with Social Security Administration.]

- 14267 pt. 5. Pennsylvania-Wyoming. [1966.] xix+[949] p. il. 4° \* Cloth, \$6.25. L.C. card 49-45747 C 3.204/2: 964/pt.5
- 14268 County business patterns 1964, pts. 1-5, Employment and taxable payrolls, number and employment size of reporting units by industry groups, buckram edition now available [announcement and order form]. Apr. 1966. [5] p. narrow 8° (Form BC 1240.) † L.C. card 49-45747 rev. 2 C 3.204/2: 964/ann.

## Current housing reports: Series H-111, Housing vacancies. \* Paper, \$1.00 (including Series H-111 and H-121 for one year), 25c. additional for foreign mailing; single copy, each 20c. ● Item 141-A

- 14269 45. Vacant housing units in United States, 2d quarter, 1966. Aug. 1966. 12 p. 4° C 3.215: H-111/45

## Current population reports: Series P-20, Population characteristics. \* Paper, \$4.00 (including Series P-20, P-23, P-25, P-27, P-28 summaries, P-60, and P-65 for one year), \$1.25 additional for foreign mailing; single copy, each 15c. ● Item 142-C C 3.186: P-20/(nos.)

- 14270 152. Household and families, by type, 1966 (advance data from Mar. 1966 sample survey). July 13, 1966. 4 p. 4°
- 14271 154. Reasons for moving, Mar. 1962-Mar. 1963. Aug. 22, 1966. 14 p. 4°
- Series P-23, Technical studies. \* Paper, \$4.00 (including Series P-20, P-23, P-25, P-27, P-28 summaries, P-60, and P-65 for one year), \$1.25 additional for foreign mailing; single copy, each 15c. ● Item 142-C
- 14272 19. Characteristics of families residing in poverty areas, Mar. 1966; [prepared by Arno I. Winard, assisted by Jack M. Reynolds and Frederick J. Cavanaugh]. Aug. 24, 1966. 5 p. 4° C 3.186: P-23/19

\*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available



- Series P-25, Population estimates. \* Paper, \$4.00 (including Series P-20, P-23, P-25, P-27, P-28 summaries, P-60 and P-65 for one year), \$1.25 additional for foreign mailing; single copy, 15c. ● Item 152-C  
C 3.186: P-25/(nos.)
- 14273 343. Estimates of population of United States, Jan. 1, 1950 to June 1, 1966. July 19, 1966. 2 p. 4°
- 14274 344. Provisional estimates of population of selected large metropolitan areas, July 1, 1965 report 2. July 20, 1966. 4 p. 4°
- 14275 345. Projections of white and nonwhite population of United States, by age and sex, to 1985. July 29, 1966. 12 p. 4°
- 14276 346. Estimates of population of United States, Jan. 1, 1950 to July 1, 1966. Aug. 17, 1966. 2 p. 4°
- Series P-60, Consumer income. \* Paper, \$4.00 (including series P-20, P-23, P-25, P-27, P-28 summaries, P-60 and P-65, combined, for one year). \$1.25 additional for foreign mailing; single copy, each 15c. ● Item 142-C
- 14277 49. Median family income up about 5 percent in 1965 (advance date for families and unrelated individuals from Mar. 1966 sample survey) Aug. 10, 1966. 3 p. 4°  
C 3.186: P-60/49
- Series P-65, Consumer buying indicators. \* Paper, \$4.00 (including series P-20, P-23, P-25, P-27, P-28, summaries, P-60 and P-65 for one year), \$1.25 additional for foreign mailing; single copy, 15c. ● Item 142-C
- 14278 15. Buying intentions for automobiles, housing, and selected household equipment, week of July 17, 1966. Aug. 25, 1966. 11 p. il. 4°  
C 3.186: P-65/15
- 14279 Current retail trade reports: 1965 retail trade, annual sales, year-end inventories, and accounts receivable of retail stores, by kind of business; [by Sol D. Helfand, Conrad L. Alexander, and John A. Barna]. Aug. 1966. 24 p. il. 4° (Series BR [65-13].) \* Paper, \$6.00 a year (including Weekly retail sales report, Advance monthly sales report, Monthly retail trade report, and Annual retail trade report), \$4.00 additional for foreign mailing; single copy 20c. ● Item 147-B  
C 3.138/3-2: 965
- 14280 Housing construction statistics, 1889-1964. [1966.] [1]+vi+805 p. il. 4° ([Construction Statistics Division.]) \* Cloth, \$6.00. ● Item 146  
L.C. card A66-7417 C 3.2: H 81/2/889-964
- 14281 Publication announcement, recurrent publications on governments, reports scheduled for issuance in fiscal year beginning July 1966. July 1966. [2] p. 4°, folded into oblong 48° (Form BC-955.) †  
C 3.163/4: G 74/966

CHILDREN'S BUREAU, Health, Education, and Welfare Dept.  
Washington, D.C. 20201

Publication.

- 14282 441. Quest for equality, story of how 6 institutions open their doors to serve Negro children and their families [with lists of references; by] Martin Gula. [1966.] [6]+50 p. il. 4° \* Paper, 60c. ● Item 453  
L.C. card HEW 66-136 FS 14.111: 441
- 14283 Vision and hearing screening in selected classes for mentally retarded, city of Detroit, Mich. 1966. [1]+10 p. il. 4° (Vision Section and Hearing Conservation Section, Bureau of Maternal and Child Health, Michigan Department of Public Health.) [Text on p. 2 of cover.] †  
\* Item 452 FS 14.102: V 82

CIVIL AERONAUTICS BOARD  
Washington, D.C. 20428

Economic regulations. [Issued with perforations.]

- 14284 pt. 208. Terms, conditions, and limitations of certificates to engage in supplemental air transportation. [1966.] 7 p. 4° [Issued as ER-454 effective May 13, 1966, as amended by ER-462.] \* Paper, 5c.  
● Item 186 C 31.220: 208/3

ΦFor Sale by Clearinghouse, U.S. Department of  
Commerce, Springfield, Va. 22151  
●Sent to Depository Libraries

# GOVERNMENT PUBLICATIONS

- 14285 List of U.S. air carriers; prepared by Publications Section. Aug. 1, 1966.  
8 p. oblong 8° [Semiannual.] † C 31.254: 966-2
- 14286 Remarks by Robert T. Murphy, vice chairman, Civil Aeronautics Board,  
at first C.A.B.-N.I.T.L. Regional Air Cargo Workshop, Seattle, Wash.,  
Sept. 20, 1966. 1966. 5 p. 4° † C 31.215: M 95/30
- Safety investigation regulations, SIR-(series). [Issued with perfora-  
tions.]
- 14287 7.pt. 320, Rules pertaining to aircraft accidents, incidents, overdue aircraft,  
and safety investigations; effective May 18, 1966. 3 p. 4°  
\* Paper, 5c. C 31.206/4: 7
- Special regulations.
- 14288 378. Inclusive tours by supplemental air carriers and tour operators. [1966.]  
5 p. 4° [Issued as SPR-14 effective May 13, 1966, as amended by SPR-  
15. Issued in looseleaf form.] \* Paper, 5c. ● Item 186 C 31.206/8: 378/2

## CIVIL DEFENSE OFFICE (Army), Defense Dept. Washington, D.C. 20310

FG (series). ● Item 320-B-3

- 14289 F-1.2. National directory of qualified fallout shelter analysts. July 1966.  
viii+319 p. [Supersedes FG-F-1.2, July 1965.] † D 119.8/3: F-1.2/2  
L.C. card 62-61084
- [Leaflet] L (series). ● Item 857-D-5
- 14290 42. Professional development services. July 1966. [6] p. narrow 8° †  
D 119.13: 42

Technical memorandum. ● Item 320-B-7

- 14291 64-2. Creation of fallout shelter through slanting and cost reduction techniques.  
Aug. 1966. 8 p. il. 4° [Issued with perforations. Supersedes TM  
64-2, Nov. 1965.] † D 119.8/5: 64-2/4

Technical report TR (series). ● Item 320-B-2

- 14292 35. Background of civil defense and current damage limiting studies; [by Joseph  
Romm, assistant director of Civil defense (policy and programs)]. June  
1966. [3]+15 p. il. 4° [Reprint of speech before 1965 convention of  
State school plant planning officials, Lincoln, Nebr., Oct. 4-5, 1965.] †  
D 119.9: 35

## CIVIL RIGHTS COMMISSION Washington, D.C. 20425

- 14293 Hearing before Commission on Civil Rights. [1966.] vii+888 p. il.  
[Hearings held in Cleveland, Ohio, Apr. 1-7, 1966.] \* Paper, \$2.75.  
● Item 288-A  
L.C. card 66-62541 CR 1.8: H 35/966
- 14294 Publications catalog, summer 1966. [1966.] cover title, [1]+27 p.  
[Text on p. 2 of cover.] † ● Item 288-A CR 1.9: C 28/966

## CIVIL SERVICE COMMISSION Washington, D.C. 20415

- 14295 Amendment to announcement 168B, geodesist, grade[s] 5-15, \$6,387-  
\$17,550 a year. Sept. 13, 1966. 1 p. oblong 48° [Amends issue 173 of  
AN 2279.] † Interagency Board of Civil Service Examiners for Wash-  
ington, D.C., 1900 E Street NW., Washington, D.C. 20415  
CS 1.26: 95S/16SB/rev./amdt.
- 14296 Amendment to announcement 232 B, geophysicist, options earth physics,  
geomagnetism, seismology, and exploration and experimental, grades  
5-15. Sept. 13, 1966. 1 p. oblong 24° [Amends issue 173 of AN 2279.]  
† Interagency Board of Civil Service Examiners for Washington, D.C.,  
1900 E Street NW., Washington, D.C. 20415 CS 1.26: 960/232 B/amdt.
- 14297 Amendment to announcement 306B, technical aids in science and engineer-  
ing, grades 2-3, \$3,925-\$4,269 a year. Aug. 23, 1966. 1 p. oblong 48°  
(Interagency Board of U.S. Civil Service Examiners for Washington,  
D.C.) [Effective Sept. 6, 1966.] † CS 1.26: 965/360B/rev./amdt.

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- 14298 Amendment to announcement 328 B, cartographer, grades 5-13, \$5,331-\$12,873 a year. Sept. 13, 1966. 1 p. oblong 48° † Interagency Board of Civil Service Examiners for Washington, D.C., 1900 E Street NW., Washington, D.C. 20415 CS 1.26: 964/328 B/amdt.
- 14299 Amendment to announcement 346 B, meteorologist, grades 5-15, \$6,387-\$17,550 a year. Sept. 6, 1966. 1 p. oblong 24° (Interagency Board of U.S. Civil Service Examiners for Washington, D.C.) [Amends issue 173 of AN 2279.] † CS 1.26: 964/346 B/amdt.
- 14300 Amendment to announcement 348 for digital computer positions, digital computer systems operator (grade 7, \$6,451 a year). Aug. 16, 1966. 1 p. oblong 48° [Amends issue no. 172 to AN 2279.] † CS 1.26: 964/348/amdt.-5
- 14301 Amendment to announcement 367 B, surveying aid, grades 2, 3, 4, \$3,925-\$4,776 a year. Sept. 13, 1966. 1 p. oblong 48° † Interagency Board of Civil Service Examiners for Washington, D.C., 1900 E Street NW., Washington, D.C. 20415 CS 1.26: 965/367 B/amdt.
- 14302 Amendment to announcement 375, chemist, mathematician, physicist engineer, metallurgist, grades 5 and 7, [salaries] \$6,387 and \$7,729. Aug. 16, 1966. 1 p. oblong 48° † CS 1.26: 965/375/amdt.-2
- 14303 Amendment to announcement 376-B, mathematical statistician, grades 5-15, statistician (various subject-matter fields) [and] survey statistician, grades 9-15. Aug. 16, 1966. 1 p. oblong 48° (Interagency Board of U.S. Civil Service Examiners for Washington, D.C.) † CS 1.26: 965/376 B/amdt.
- 14304 Amendment to announcement 382 B, economist, grades 9-15, \$7,696-\$17,550. Sept. 6, 1966. 1 p. oblong 48° (Interagency Board of U.S. Civil Service Examiners for Washington, D.C.) † CS 1.26: 965/382 B/amdt.
- 14305 Current Federal examination announcements, AN 2279, issue 173, Sept.-Oct. 1966. [1966.] [2] p. f° folded into narrow 8° size. † ● Item 292 CS 1.28: 2279/173
- 14306 Discontinuance notice to announcement 132B, savings and loan examiner, grades 7 and 9 (\$6,451 and \$7,696). Sept. 20, 1966. 1 p. oblong 48° [Amends issue 173 of AN 2279.] † CS 1.26: 957/132B/rev./notice
- 14307 Entomologist and pathologist (Forest and forest products), needed for duty with Department of Agriculture, Forest Service, and other Federal agencies (grades GS-9 through GS-12), apply to Executive Secretary, Central Board of U.S. Civil Service Examiners, Forest Service Unit, Department of Agriculture, Washington, D.C., 20250, announcement 399B. Sept. 13, 1966. 4 p. 4° [No closing date.] † ● Item 292 CS 1.26: 966/399 B
- 14308 Executive Seminar Center, Berkeley, Calif. [1966.] cover title, [1]+12 p. il. 4° (Office of Career Development.) † ● Item 296-A CS 1.65/3: 966-2
- 14309 Executive Seminar Center, Kings Point, N.Y. [1966.] cover title, [1]+16 p. 4° (Office of Career Development; [Interagency training facility].) † ● Item 296-A CS 1.65/3: 966
- 14310 Federal service entrance examination, 1967, including opportunities for management internships [announcement 400]. [Sept. 1, 1966.] [Closing date for management internships, Jan. 18, 1967, for general positions, May 17, 1967.] † ● Item 292 CS 1.26: 966/400
- 14311 Local and regional civil service examinations offering best job opportunities, AN 2280 [issue 121], Sept.-Oct. 1966. [1966.] [2] p. oblong f° folded into narrow 8° size. † ● Item 292 CS 1.28: 2280/121
- 14312 Suspension notice to announcement 364 B, engineering and scientific technician, grades 4-12 (\$4,776-\$10,927). Aug. 23, 1966. 1 p. oblong 16° (Interagency Board of U.S. Civil Service Examiners for Washington, D.C.) [Supersedes amendment of July 26, 1966. Amends issue no. 172 of AN 2279.] † CS 1.26: 965/364 B/notice



# GOVERNMENT PUBLICATIONS

## CIVIL WAR CENTENNIAL COMMISSION Washington, D.C. 20006

- 14313 Military operations of Civil War, guide-index to Official record of Union and Confederate Armies, 1861-65: sec. A, Introduction; [compiled by Dallas Irvine]. 1966. x+30 p. il. [Preprint from v. 1, Title on cover reads: Prospectus, Military operations of Civil War, guide-index to Official records, Armies.] † ● Item 1053-A Y 3.C 49/2: 9a/A

## COAST AND GEODETIC SURVEY, Commerce Dept. Washington, D.C. 20230

Technical bulletin.

- 14314 30. Cable length determinations for deep-sea oceanographic operations; by Robert C. Darling. June 1966. [2]+6 p. il. 4° \* Paper, 10c. ● Item 192-A C 4.41/2: 30

## COAST GUARD, Treasury Dept. Washington, D.C. 20226

- 14315 Light list: v. 3, Pacific Coast and Pacific Islands, 11th, 12th, 13th, 14th, and 17th Coast Guard districts, June 25, 1966 (including N.M. 26 of 1966). 1966. xxiv+286+14 p. il. map, 4° (CG-162.) [Contains list of lights, fog signals, buoys, daybeacons, lightships, radiobeacons, and loran stations. Edge index and how to use it on p. 4 of cover.] \* Paper, \$2.00. ● Item 940 L.C. card 14-30372 T 47.52: V 3/966

- 14316 Marine engineering regulations and material specifications: subchap. F, Materials, construction, installation, inspection, and maintenance of boilers, unfired pressure vessels, appurtenances, piping, welding, and brazing; Mar. 1, 1966. 1966. viii+188 p. il. 4° (CG-115.) [Title 46, Code of Federal Regulations, pts. 50-61. Replaces prior edition of Sept. 1, 1964.] † ● Item 943. L.C. card 42-38670 T 47.8: En 3/3/966

Oceanographic report. ● Item 940-B

- 14317 11. Oceanography of Grand Banks region of Newfoundland in 1965 [with lists of references; by] Ronald C. Kollmeyer, Thomas C. Wolford, Richard M. Morse. June 1966. vii+157 p. il. 4° (CG 373-11; Oceanographic Unit.) † L.C. card 66-62234 T 47.55: 11

- 14318 Rules and regulations for passenger vessels, May 2, 1966. 1966. ix+185 p. 4° (CG-256.) [Subchapter H, title 46, C.F.R., pts. 70-78, inclusive. Replaces edition of Apr. 1, 1964.] † ● Item 943 L.C. card 53-60489 T 47.8: V 63/9/966

## COMMERCE DEPARTMENT Washington, D.C. 20230

NOTE.—Requests to the Commerce Department for publications should include the Comm—DC—number if given in the entry.

- 14319 Address by LeRoy Collins, Under Secretary of Commerce, to 6th annual Labor Day observance sponsored by Catholic Diocese of Miami, Miami Beach, Fla., Sept. 1, 1966. [1966.] 16 leaves, 4° † C 1.18: C 69/25
- 14320 Address by Secretary of Commerce John T. Connor, prepared for delivery before New York Financial Writers Association, New York, N.Y., June 22, 1966. 1966. 14 leaves, 4° † C 1.18: C 76/82
- 14321 Economy, perspective and prospects, remarks by William H. Shaw, Assistant Secretary for Economic Affairs, Department of Commerce, prepared for delivery at American statistical outlook luncheon of American Statistical Association, Los Angeles, Calif., Aug. 17, 1966. [1966.] 8+[6] p. il. 4° (USCOMM-DC-38105.) † C 1.18: Sh 2/2

\*For Sale by Superintendent of Documents  
†Distribution Made by Issuing Office  
‡Official Use. Not Available

- 14322 Marketing and regional development, by Benjamin Chinitz, Deputy Assistant Secretary for Economic Development, Department of Commerce, paper prepared for National Fall Conference of American Marketing Association, Indiana University, Sept. 1, 1966. [1966.] [1]+19 p. 4° †  
C 1.18: C 44/3
- Overseas business reports OBR (series). [Issued irregularly.] \* Paper, \$13.00 a yr., \$5.00 additional for foreign mailing; single copy, 15c. (1-3 yr. subs.) ● Item 231-B  
C 1.50: (nos.)
- 14323 66-36. Market profiles for Africa; prepared in Africa Division, Office of International Regional Economics. June 1966. 40 p. 4° (Bureau of International Commerce.) [Issued with perforations.]
- 14324 66-49. United States foreign trade, 1958-65; [prepared in International Trade Analysis Division]. Aug. 1966. 26 p. il. 4° (Bureau of International Commerce.) [Issued with perforations.]
- 14325 66-50. Basic data on economy of United Kingdom [with bibliography]; prepared by Edward A. Leslie. July 1966. 16 p. il. 4° (Bureau of International Commerce.) [Issued with perforations. Supersedes OBR 63-40.]
- 14326 66-54. Patent, trademark, industrial design and copyright protection in Colombia; prepared by Joseph M. Lightman. Aug. 1966. 7 p. 4° (Bureau of International Commerce.)
- 14327 66-56. Trade of United States with Communist areas in Eastern Europe and Asia, 1963-65; [prepared by International Trade Analysis Division, Office of International Regional Economics.] Aug. 1966. 16 p. 4° (Bureau of International Commerce.) [Issued with perforations.]
- 14328 Remarks by Secretary of Commerce John T. Connor, prepared for delivery to White House Conference for State Legislative Leaders, [Washington, D.C.], June 16, 1966. 1966. 9 leaves, 4° (USCOMM-DC-33913.) †  
C 1.18: C 76/79
- 14329 Technology transfer and innovation, guide to literature; prepared by Clearinghouse for Federal Scientific and Technical Information. Preliminary edition. Aug. 1966. ii+49 p. 4° (Office of State Technical Services; STS-104.) Φ Paper, \$3.00 (PB-170991)  
L.C. card 66-62551 C 1.8/3: T 22/prelim.

## CONGRESS

- 14330 Congressional record, proceedings and debates of 89th Congress, 1st session, v. 111, pt. 14, July 28-Aug. 9, 1965. [Permanent edition.] 1965. [1]+18497-19742 p. 4° \* Cloth, \$4.00. ● Item 993  
L.C. card 12-36438 X.89/1: 111/pt.14
- 14331 — v. 111, pt. 15, Aug. 10-18, 1965. [Permanent edition.] 1965. [1]+19743-20994 p. 4° \* Cloth, \$4.00. ● Item 993  
L.C. card 12-36438 X.89/1: 111/pt.15
- NOTE.—In the permanent bound edition, the paging differs from that of the daily numbers, the text being revised, rearranged, and printed without break. Extraneous matter appearing in the Appendix is omitted from the permanent form of the Congressional record.

*Congressional serial set*

NOTE.—At the end of each session of Congress the House and Senate documents and reports are accumulated into bound volumes comprising the Congressional serial set. No catalog entry is made for the volumes of the Serial set since the documents and reports contained therein have been previously listed in the Monthly catalog.

The following bound volumes were sent to depository libraries during the period of this catalog:

## Senate document:

- 14332 no. 84, 89th Cong., 2d sess., Daughters of the American Revolution, 1964-65 [Serial 12718]. ● Item 995-B

## Senate reports:

- 14333 nos. 654-932, with exceptions, 89th Congress, 1st session, Senate miscellaneous reports on private bills II [Serial 12663-2]. ● Item 1007-B  
no. 1380, 89th Cong., 2d sess., Government organization and employees [Serial 12712-3]. ● Item 1007-A

ΦFor Sale by Clearinghouse, U.S. Department of  
Commerce, Springfield, Va. 22151  
●Sent to Depository Libraries

# GOVERNMENT PUBLICATIONS

## Laws

NOTE.—The Federal laws are first published separately and in this form are known as "slip laws". Later, these laws are compiled, edited, indexed, and published in the volumes of the Statutes at large.

Private laws, 89th Congress. † House or Senate Document Rooms, Capitol.

- 14334 266. H.R. 10994, act for relief of Charles T. Davis, jr., Sallie M. Davis, and Nora D. White. Approved July 8, 1966. 1 p.
- 14335 278. H.R. 12031, act to authorize appointment of William W. Watkin, jr., professor of United States Military Academy, in grade of lieutenant colonel, regular army, and for other purposes. Approved Aug. 8, 1966. 1 p.
- 14336 279. H.R. 10220, act for relief of Abdul Wohabe. Approved Aug. 11, 1966. 1 p.
- 14337 280. S. 642, act for relief of Chung K. Won. Approved Aug. 25, 1966. 1 p.
- 14338 281. S. 2104, act for relief of Harriet C. Chambers. Approved Aug. 25, 1966. 1 p.
- 14339 282. S. 2663, act for relief of Dinesh Kumar Poddar and Girish Kumar Poddar. Approved Aug. 30, 1966. 1 p.
- 14340 283. H.R. 3233, act for relief of Emanuel G. Topakas. Approved Sept. 7, 1966. 1 p.
- 14341 284. H.R. 5552, act for relief of David B. Glidden. Approved Sept. 7, 1966. 1 p.
- 14342 285. H.R. 7354, act for relief of Norman Morris Rains. Approved Sept. 7, 1966. 1 p.
- 14343 286. H.R. 11940, act for relief of Fred M. Osteen. Approved Sept. 7, 1966. 1 p.
- 14344 287. H.R. 12315, act for relief of Anthony A. Calloway. Approved Sept. 7, 1966. 1 p.
- 14345 288. H.R. 12884, act for relief of John R. Sylvia. Approved Sept. 7, 1966. 1 p.
- 14346 289. H.R. 1822, act for relief of Won Loy Jung. Approved Sept. 8, 1966. 1 p.
- 14347 290. H.R. 2681, act for relief of Sidney S. Shapiro and Shirley Shapiro. Approved Sept. 9, 1966. 1 p.
- 14348 291. H.R. 1483, act for relief of John V. Boland Construction Company. Approved Sept. 10, 1966. 1 p.
- 14349 293. H.R. 3671, act for relief of Josephine Ann Bellizia. Approved Sept. 14, 1966. 1 p.
- 14350 294. H.R. 10656, act for relief of Kimberly Ann Yang. Approved Sept. 14, 1966. 1 p.
- 14351 295. H.R. 11347, act for relief of Maria Anna Piotrowski, formerly Czeslawa Marek. Approved Sept. 14, 1966. 1 p.
- 14352 296. H.R. 2349, act for relief of Robert Dean Ward. Approved Sept. 16, 1966. 1 p.
- 14353 297. H.R. 7671, act for relief of Sophia Soliwoda. Approved Sept. 16, 1966. 1 p.
- 14354 298. H.R. 11038, act for relief of Edna S. Bettendorf. Approved Sept. 16, 1966. 1 p.
- 14355 299. H.R. 12950, act for relief of Kazimierz (Casimer), Krzykowski. Approved Sept. 16, 1966. 1 p.
- 14356 300. H.R. 3078, act for relief of Lourdes S. (Delotavo) Matzke and Yusef Ali Chonman. Approved Sept. 16, 1966. 1 p.
- 14357 301. H.R. 4861, act to direct Secretary of Interior to convey certain lands in Boulder County, Colo., to W. F. Stover. Approved Sept. 16, 1966. 1 p.
- 14358 303. H.R. 7141, act for relief of Ronald Whelan. Approved Sept. 16, 1966. 1 p.
- 14359 304. H.R. 10990, act for relief of Alan DeYoung, U.S. Army. Approved Sept. 16, 1966. 1 p.
- 14360 305. H.R. 4075, act for relief of John F. Reagan, jr. Approved Sept. 17, 1966. 1 p.
- 14361 306. H.R. 6606, act for relief of Li Tsu (Nako) Chen. Approved Sept. 17, 1966. 1 p.
- 14362 307. H.R. 11271, act for relief of certain individuals employed by Department of Defense at Granite City Defense Depot, Granite City, Ill. [Approved Sept. 17, 1966.] 2 p.
- 14363 308. H.R. 11844, act for relief of Maria Giuseppina Innalfo Feole. Approved Sept. 17, 1966. 1 p.
- 14364 309. H.R. 14514, act for relief of Vernon M. Nichols. Approved Sept. 17, 1966. 1 p.
- 14365 310. S. 1684, act to direct Secretary of Interior to adjudicate claim to certain land in Marengo County, Ala. Approved Sept. 19, 1966. 1 p.
- 14366 311. H.R. 11251, act for relief of Hubert J. Kupper. Approved Sept. 20, 1966. 1 p.
- 14367 312. H.R. 14379, act for relief of John R. McKinney. Approved Sept. 20, 1966. 1 p.

## CONGRESS, JOINT COMMITTEE ON ORGANIZATION OF Washington, D.C. 20510

Organization of Congress, hearings, 89th Congress, 2d session, pursuant to S. Con. Res. 2. ● Item 1009  
L.C. card 65-61719 Y 4C 76/3: Or 3/965/pt.16

14368 pt. 16. Index. 1966. ii+113 p. †

\*For Sale by Superintendent of Documents  
†Distribution Made by Issuing Office  
‡Official Use. Not Available



**ECONOMIC JOINT COMMITTEE**  
**Washington, D.C. 20510**

- Discriminatory ocean freight rates and balance of payments, hearings before Subcommittee on Federal Procurement and Regulation, 89th Congress, 2d session. ● Item 1000  
 L.C. card 65-62204 Y 4.Ec 7: F 88/965/pt.4
- 14369 pt. 4. May 6 and 19, 1966. 1966. iv+509-656 p. \* Paper, 45c.
- 14370 Discriminatory ocean freight rates and balance of payments, report of Subcommittee on Federal Procurement and Regulation, Aug. 1966. 1966. v+25 p. (Committee print, 89th Congress, 2d session.) \* Paper, 15c.  
 ● Item 1000  
 L.C. card 66-62360 Y 4.Ec 7: F 88/2
- 14371 Government price statistics, report of Subcommittee on Economic Statistics, July 1966. 1966. v+19 p. (Joint committee print, 89th Congress, 2d session.) \* Paper, 15c. ● Item 1000  
 L.C. card 66-62279 Y 4.Ec 7: P 93/9/966
- 14372 New directions in Soviet economy, studies prepared for Subcommittee on Foreign Economic Policy: pt. 3, Human resources. 1966. iii+593-871 p. il. (Joint committee print, 89th Congress, 2d session.) \* Paper, 65c.  
 ● Item 1000  
 L.C. card 66-62352 Y 4.Ec 7: So 8/7/pt.3
- 14373 Private pension plans, hearings before Subcommittee on Fiscal Policy, 89th Congress, 2d session. ● Item 1000  
 L.C. card 66-62148 Y 4.Ec 7: P 38/2/pt.1,2  
 pt. 1. Apr. 26-May 2, 1966. iv+1-262 p. il. \* Paper, 70c.  
 pt. 2. May 3-20, 1966. 1966. iv+263-524 p. il. \* Paper, 70c.
- 14374 Sept. 1966 supplement to Committee publications and policies governing their distribution, 89th Congress, 2d session. [1966.] [2] p. 4° (Committee prints.) ‡  
 L.C. card 66-60935 Y 4.Ec 7: P 96/946-66/supp.
- 14375 Technology in education, hearings before Subcommittee on Economic Progress, 89th Congress, 2d session, June 6-13, 1966. 1966. iv+273 p. \* Paper, 65c. ● Item 1000  
 L.C. card 66-62393 Y 4.Ec 7: Ed 8
- 14376 Twentieth anniversary of Employment act of 1946, economic symposium, supplement to hearing, 89th Congress, 2d session, invited comments on directions for the future. 1966. iv+192 p. \* Paper, 50c. ● Item 1000  
 L.C. card 66-61370 Y 4.Ec 7: Em 7/10/supp.
- 14377 Twenty years after, appeal for renewal of international economic cooperation on grand scale, report of Subcommittee on International Exchange and Payments; Sept. 1966. 1966. v+4 p. (Joint committee print, 89th Congress, 2d session.) \* Paper, 10c.  
 L.C. card 66-62533 Y 4.Ec 7: In 8/11

**HOUSE OF REPRESENTATIVES**  
**Washington, D.C. 20515**

- 14378 Major legislative actions, 89th Congress, up to Sept. 13, 1966; prepared by Coordinator of Information. [1966.] 51 p. 4° ‡  
 L.C. card 50-60030 Y 1.2: L 52/966-2

*House documents*

NOTE.—All House documents, entries for which are followed by a ‡, may be obtained from the House Document Room or from the issuing office.

House documents, 89th Congress.

- 14379 324, pt. 1. Annual report of Chief of Engineers, Army, on civil works activities, fiscal year 1965, v. 1. [1966.] xxxv+120 p. il. \* (Available in departmental edition, 45c., D 103.1:965/v.1, and sent to depositories in that form. See Entry no. 14570.)

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 Commerce, Springfield, Va. 22151  
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# GOVERNMENT PUBLICATIONS

## House documents, 89th Congress—Continued

- 14380 344. United States defense policies in 1965 [with bibliography], prepared by [Charles H. Donnelly], Library of Congress, Legislative References Service; Apr. 6, 1966. 1966. viii+233 p. † ● Item 996
- 14381 363. Report to Congress of United States: Examination of financial statements, fiscal year 1965, Commodity Credit Corporation, Department of Agriculture; by Comptroller General of United States. Jan. 1966. [9]+13 p. 4° † ● Item 996
- 14382 434. West Divide project, Colo., letter from Secretary of Interior transmitting report; May 4, 1966. 1966. xxix+117 p. il. map, 3 tab. [Map is colored.] † ● Item 996  
L.C. card 66-62241
- 14383 457. Food for peace, 1965 annual report on Public law 480 [83rd Congress, as amended, during period Jan. 1-Dec. 31, 1965]. [1966.] cover title, 190+[2] p. il. 4° \* Paper, \$1.25. ● Item 996  
L.C. card 65-62119
- 14384 459. Hurricane survey of northwest Florida coast, letter from chief of engineers, Army, submitting report on interim hurricane survey [with bibliography]; July 11, 1966. 1966. x+91 p. il. 12 pl. 4° [Also issued in departmental edition and sent to depositories in that form. See Entry no. 14572.] †
- 14385 467. Report to Congress of United States: Examination of financial statements of Federal Home Loan Banks supervised by Federal Home Loan Bank Board for year ended Dec. 31, 1965; by Comptroller General of United States, Aug. 16, 1966. [1966.] ix+13 p. 4° † ● Item 996
- 14386 487. Report on audit of Saint Lawrence Seaway Development Corporation, calendar year 1965, letter from Comptroller General transmitting report, Aug. 31, 1966. 1966. v+11 p. 4° † ● Item 966  
L.C. card 56-63878
- 14387 488. United States policy toward Asia, report of Subcommittee on Far East and Pacific of Committee on Foreign Affairs on hearings held Jan. 25-Mar. 10, 1966, pursuant to H. Res. 84; May 19, 1966. 1966. [xvi]+12+582 p. [Includes Subcommittee print and hearings, for which see May and July 1966 issues of Monthly catalog, Entry numbers 7144 and 10244, respectively.] † (To be sent to depository libraries in serial set binding).  
L.C. card 66-62498

## House reports

NOTE.—For titles of bills which these reports accompany, see Congressional record index.

House reports on public bills, 89th Congress. † House Document Room, Capitol. ● Item 1008-A

- 14388 1699, pt. 1. Housing and urban development act of 1966. Report of Committee on Banking and Currency, together with minority and individual views, on H.R. 15890; July 15, 1966. 1966. [1]+1-92 p.  
pt. 2. Same: Report of Committee on Banking and Currency on H.R. 15890; July 15, 1966. 1966. [1]+93-402 p. [Part 2 shows changes made in existing law as reported.]  
L.C. card 66-62087
- 14389 1769. Refugee problems in Vietnam, India, and Hong Kong, British crown colony, H. Res. 593, 89th Congress; July 25, 1966. 1966. iii+36 p. il. 1 pl.  
L.C. card 66-62062
- 14390 1827. Chamizal Memorial Highway. Report from Committee on Public Works to accompany H.R. 11555. Aug. 9, 1966. 27 p. 2 maps.
- 14391 1830. Consideration of H.R. 13228. Report from Committee on Rules to accompany H. Res. 965. Aug. 10, 1966. 1 p.
- 14392 1849. Colorado River Basin project. Report together with additional views from Committee on Interior and Insular Affairs to accompany H.R. 4671. Aug. 11, 1966. 157 p. il.  
L.C. card 66-62314
- 14393 1850. Amending la westablishing revolving fund for expert assistance loans to Indian tribes. Report from Committee on Interior and Insular Affairs to accompany H.R. 15059. Aug. 15, 1966. 5 p.
- 14394 1851. Providing for reapportionment of legislature of Virgin Islands. Conference report to accompany H.R. 13277. Aug. 15, 1966. 2 p.
- 14395 1852. Legislative branch appropriations, 1967. Conference report to accompany H.R. 15456. Aug. 15, 1966. 6 p.
- 14396 1854. Extending termination date of Indian Claims Commission to Apr. 10, 1969. Report from Committee on Interior and Insular Affairs to accompany H.R. 5392. Aug. 16, 1966. 18 p.
- 14397 1855. Authorizing long-term leases on San Xavier and Salt River Pima-Maricopa Indian Reservations, Ariz. Report from Committee on Interior and Insular Affairs to accompany H.R. 7648. Aug. 16, 1966. 18 p.
- 14398 1856. Farm real estate loans on leased lands in Hawaii. Report from Committee on Agriculture to accompany H.R. 15951. Aug. 16, 1966. 5 p.
- 14399 1857. Printing of Senate hearings of study team report on recreational opportunities in State of Washington. Conference report to accompany S. Con. Res. 90. Aug. 17, 1966. 2 p.

\*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

- 14400 1858. Small reclamation projects act of 1956. Conference report to accompany S. 602. Aug. 17, 1966. 5 p.
- 14401 1859. Sundry independent executive agencies and Department of Housing and Urban Development appropriations, 1967. Conference report to accompany H.R. 14921. Aug. 17, 1966. 7 p.
- 14402 1861. Merchant marine act, 1936, construction differential subsidies. Conference report to accompany S. 2858. Aug. 18, 1966. 2 p.

*Agriculture Committee, House*

Washington, D.C. 20515

[Committee hearings] serial, 89th Congress. ● Item 1010

- 14403 KK. Community development district act, hearings, 89th Congress, 2d session, on H.R. 12466 and S. 2934, June 9-10, 1966. 1966. iv+152 p. il. †  
L.C. card 66-62064 Y 4.Ag 8/1 : C 73/8
- 14404 MM. Legislative policy of Bureau of Budget, hearing before Subcommittee on Conservation and Credit, 89th Congress, 2d session, July 11, 1966. 1966. iii+50 p. †  
L.C. card 66-62245 Y 4.Ag 8/1 : B 85
- 14405 PP. Forest fire prevention and control, hearing before Subcommittee on Forests, 89th Congress, 2d session, Apr. 15, 1966. 1966. v+137 p. il. [This hearing was held in Santa Barbara, Calif.] †  
L.C. card 66-62398 Y 4.Ag 8/1 : F 76/40
- 14406 RR. To include certain fruits in Agricultural marketing agreement act of 1937, hearing before Subcommittee on Domestic Marketing and Consumer Relations, 89th Congress, 2d session, on H.R. 13007 [and other bills], July 27 1966. 1966. iii+54 p. il. †  
L.C. card 66-62396 Y 4.Ag 8/1 : F 94/4
- 14407 H.R. 16918 and summary of proposed changes in U.S. grain standards act: Aug. 12, 1966. 1966. iii+22 p. (Committee print, 89th Congress, 2d session.) †  
L.C. card 66-62433 Y 4.Ag 8/1 : G 76/14

*Appropriations Committee, House*

Washington, D.C. 20515

- 14408 Public works appropriations for 1967, hearings before subcommittee, 89th Congress, 2d session. ● Item 1011  
L.C. card 60-61219 Y 4.Ap 6/1 : P 96/14/967/pt.3  
pt. 3. Testimony of Members of Congress, interested organizations, and individuals. 1966. ii+1436+xvi p. il. †

*Armed Services Committee, House*

Washington, D.C. 20515

- 14408A Examination of Department of Defense cost reduction program, report of Subcommittee for Special Investigations, 89th Congress, 2d session: Sept. 12, 1966. 1966. v+42 p. (Committee print.) \* Paper, 15c.  
Y 4.Ar 5/2 : D 36/7

[Papers], 89th Congress. † ● Item 1012 Y 4.Ar 5/2a : 965-66/(nos.)  
NOTE.—These papers consist largely of hearings. They are paged continuously for binding at the end of session of Congress under title "Hearings before Committee on Armed Services of the House of Representatives on sundry legislation affecting the naval and military establishments." Title page, contents, and index are issued for each volume.

- 14409 72. Full committee consideration on H.R. 15712, to amend sec. 2634 of title 10, United States Code, to authorize payment of expenses incidental to transportation of motor vehicles of certain members of Armed Forces. [1966.] p. 9571-83.
- 14410 74. Subcommittee no. 3 consideration of H.R. 11984, to amend sec. 701 of title 10, United States Code, to authorize additional accumulation of leaves in certain foreign areas. [1966.] p. 9609-13.
- 14411 88. Impact of airline strike on defense posture, hearing, 89th Congress, 2d session, July 28, 1966. 1966. ii+10825-861 p.  
L.C. card 66-62400
- 14412 89. Subcommittee no. 3, consideration of H.R. 12536, to amend sec. 409 of title 37, United States Code, relating to transportation of house trailers and mobile dwellings to members of uniformed services, and H.R. 17119, to amend title 10, United States Code, to permit members of Armed Forces to be assigned or detailed to Environmental Natural Science Services Administration, Department of Commerce. [1966.] p. 10863-889.

*Banking and Currency Committee, House*

Washington, D.C. 20515

- 14413 List of publications, supp. 2, Committee on Banking and Currency, hearings and committee prints, 89th Congress; July 25, 1966. [1966.] 2 p. (Committee print.) †  
L.C. card 65-61696 Y 4.B 22/1 : P 96/2/865-964/supp.2

ΦFor Sale by Clearinghouse, U.S. Department of  
Commerce, Springfield, Va. 22151

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- 14414 Sale of standard silver dollars held by Treasury, hearings, 89th Congress, 2d session, on H.R. 13150 and related bills, July 26-28, 1966. 1966. vi+165 p. il. \* Paper, 45c. ● Item 1013  
L.C. card 66-62172 Y 4.B 22/1: Si 3/3

*Education and Labor Committee, House**Washington, D.C. 20515*

- 14415 Antipoverty in District of Columbia, hearing before Task Force on Anti-poverty in District of Columbia, 89th Congress, 2d session on investigation of United Planning Organization in District of Columbia and its relation to poverty, Mar. 14, 1966. 1966. iii+105 p. † ● Item 1015  
L.C. card 66-62402 Y 4.Ed 8/1: An 8/3
- 14416 Elementary and secondary education amendments of 1966 (Hawaii), hearing before General Subcommittee on Education and Ad Hoc Subcommittee on War on Poverty Program, 89th Congress, 2d session, on H.R. 13160 and H.R. 13161, Apr. 15, 1966. 1966. iv+126 p. il. [These hearings were held in Honolulu, Hawaii.] † ● Item 1015  
L.C. card 66-62165 Y 4.Ed 8/1: Ed 8/24/966-2
- 14417 Impact aid, hearings before General Subcommittee on Education, 89th Congress, 2d session, on H.R. 13160 and H.R. 13161, Mar. 24-Apr. 23, 1966. 1966. vii+371 p. il. † ● Item 1015  
L.C. card 66-62244 Y 4.Ed 8/1: Ai 2

*Foreign Affairs Committee, House**Washington, D.C. 20515*

- 14418 Crisis in NATO, report of Subcommittee on Europe on hearings held Mar. 17-June 13, 1966, pursuant to H. Res. 84; Aug. 1966. 1966. vi+13 p. (Committee print, 89th Congress, 2d session.) ‡  
L.C. card 66-62325 Y 4.F 76/1: N 81/2
- 14419 Foreign assistance act of 1966, hearings, 89th Congress, 2d session, on H.R. 12449 and H.R. 12450. ● Item 1017  
L.C. card 66-61151 Y 4.F 76/1: F 76/28/966-2/pt.7  
pt. 7. Appendix and index. 1966. iii+1039-92 p. †
- 14420 Ramseyer rule of proposed amendments to Peace Corps act (H.R. 15371) [prepared by Office of Legislative Counsel]; July 18, 1966. 1966. iii+19 p. (Committee print, 89th Congress, 2d session.) ‡  
L.C. card 66-62326 Y 4.F 76/1: P 31/8/966
- 14421 U.S. observance of International Human Rights Year, 1968, hearings before Subcommittee on International Organizations and Movements, 89th Congress, 2d session, on H.R. 17083 (and similar measures), Aug. 11 and 17, 1966. 1966. iv+50 p. † ● Item 1017  
L.C. card 66-62403 Y 4.F 76/1: In 8/40

*Government Operations Committee, House**Washington, D.C. 20515*

- 14422 Computer and invasion of privacy, hearings before subcommittee, 89th Congress, 2d session, July 26-28, 1966. 1966. iv+318 p. \* Paper, 75c.  
● Item 1016  
L.C. card 66-62406 Y 4.G 74/7: P 93/2
- 14423 Drug safety, hearings before subcommittee, 89th Congress, 1st session. †  
● Item 1016  
L.C. card 64-63581 Y 4.G 74/7: D 84/2/pt.3  
pt. 3. Mar. 23-June 25, 1965. 1966. vii+813-1436 p. il.
- 14424 John Fitzgerald Kennedy Library, hearing before subcommittee, 89th Congress, 2d session, on H.J. Res. 1207, July 26, 1966. 1966. iv+60 p. †  
● Item 1016  
L.C. card 66-62252 Y 4.G 74/7: K 38

\*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

- 14425 Reorganization plan no. 5 of 1966 (National Capital Regional Planning Council), hearing before subcommittee, 89th Congress, 2d session, Aug. 9, 1966. 1966. iii+32 p. il. † ● Item 1016  
L.C. card 66-62405 Y 4.G 74/7 : R 29/3/966/no.5

*House Administration Committee, House*  
Washington, D.C. 20515

- 14426 U.S. House of Representatives, detailed statement of disbursements, Jan. 1–June 30, 1966. 1966. v+258 p. (Committee print, 89th Congress, 2d session.) †  
L.C. card 62-61072 Y 4.H 81/3 : D 63/966

*Interior and Insular Affairs Committee, House*  
Washington, D.C. 20515

- [Committee hearings] serial, 89th Congress. ● Item 1023  
14427 33. California Indians judgment fund, 1966, hearings before Subcommittee on Indian Affairs, 89th Congress, 2d session, on H.R. 8021, May 2 and 3, 1966. 1966. v+314 p. map. †  
L.C. card 66-62170 Y 4.In 8.14 : 89-33

*Interstate and Foreign Commerce Committee, House*  
Washington, D.C. 20515

- [Committee hearings] serial, 89th Congress. ● Item 1019  
14428 41. Airline labor dispute, hearings, 89th Congress, 2d session, on S.J. Res. 186, Aug. 5–10, 1966. 1966. iv+280 p. il. †  
L.C. card 66-62171 Y 4.In 8/4 : 89-41

*Judiciary Committee, House*  
Washington, D.C. 20515

- [Committee hearings] serial, 89th Congress. † ● Item 1020  
Y 4.J89/1 : 89/(nos.)  
14429 17. Measures for combating crime, hearing before subcommittee no. 3, 89th Congress, 2d session, on H.R. 13548, H.R. 13549, H.R. 13551, Mar. 30 and June 1, 1966. 1966. iii+97 p.  
L.C. card 66-62247  
14430 20. Adjustment of status for Cuban refugees, hearings before subcommittee no. 1, 89th Congress, 2d session, on H.R. 15182, H.R. 15183, H.R. 16908, H.R. 10808 and H.R. 13393, Aug. 10–17, 1966. 1966. iii+74 p.  
L.C. card 66-62249

*Merchant Marine and Fisheries Committee, House*  
Washington, D.C. 20515

- [Committee hearings] serial, 89th Congress. † ● Item 1021  
Y 4.M53 : 89-(nos.)  
14431 25. Sea grant colleges, hearing before Subcommittee on Oceanography, 89th Congress, 2d session, on H.R. 15192, H.R. 15471, H.R. 15569, June 13, 1966. 1966. iii+85 p. il.  
L.C. card 66-62069  
14432 26. Estuarine and wetlands legislation, hearings before Subcommittee on Fisheries and Wildlife Conservation, 89th Congress, 2d session, on H.R. 11236 [and other] bills, [and] H.R. 13447, June 16–23, 1966. 1966. vi+297 p. il. map.  
L.C. card 66-62248  
14433 28. Jellyfish control, hearings before Subcommittee on Fisheries and Wildlife Conservation, 89th Congress, 2d session, on H.R. 11475, H.R. 11507, H.R. 16634, Aug. 9–11, 1966. 1966. ii+67 p. il.  
L.C. card 66-62408

*Post Office and Civil Service Committee, House*  
Washington, D.C. 20515

- 14434 Federal classified, postal, and Foreign Service salary rates; July 1966. 1966. ii+6 p. (Committee print, 89th Congress, 2d session.) †  
L.C. card 66-62363 Y 4.P 84/10 : Sa 3/13/966



# GOVERNMENT PUBLICATIONS

- 14435 Leave system for Federal seafaring employees [reports of Civil Service Commission on H.R. 3002 and Staffing Federal seafaring positions]; Aug. 1966. 1966. vi+9 p. (Committee print, 89th Congress, 2d session.) ‡  
L.C. card 66-62328 Y 4.P 84/10: L 48/4
- 14436 Mail transportation by regulated motor carrier, hearing before Subcommittee on Postal Operations, 89th Congress, 2d session, on H.R. 13925. ● Item 1022  
L.C. card 66-61863 Y 4.P 84/10: M 28/30/pt. 2  
pt. 2. July 19, 1966. 1966. iii+109-126 p. †

## Public Works Committee, House

Washington, D.C. 20515

- [Committee hearings, serial], 89th Congress. † ● Item 1024  
Y 4.P 96/11: 89-(nos.)
- 14437 22. Disaster relief act of 1965, hearings before Subcommittee on Flood Control, 89th Congress, 2d session, on S. 1861 and related bills.  
L.C. card 66-60197  
pt. 2. July 19 and 20, 1966. 1966. iv+83-196 p.
- 14438 32. Economic development act amendments, 1966, hearings, 89th Congress, 2d session, on H.R. 10855 and H.R. 12227, May 24-June 29, 1966. 1966. iv+139 p. il.  
L.C. card 66-62065
- 14439 35. Hirshhorn Museum, hearing before Subcommittee on Public Buildings and Grounds, 89th Congress, 2d session, on H.R. 15121 and related bills, June 15, 1966. 1966. iii+138 p.  
L.C. card 66-62085
- 14440 39. Relationship of toll facilities to Federal-aid highway program, hearings before Special Subcommittee on Federal-Aid Highway Program and Subcommittee on Roads, 89th Congress, 2d Session, Mar. 8-June 23, 1966. 1966. ix+944 p. il.  
L.C. card 66-62409
- 14441 Section-by-section analysis of H.R. 14359, Federal-aid highway act of 1966; May 1966. 1966. ii+4 p. (Committee print 31, 89th Congress, 2d session) ‡  
L.C. card 66-62351 Y 4.P 96/11: H 53/3

## Small Business, Select Committee on, House

Washington, D.C. 20515

- 14442 Role of small business in air transportation industry, hearings before subcommittee no. 4, 89th Congress, 1st session, pursuant to H. Res. 13. † ● Item 1031 Y 4.Sm 1: A1 7/3/v.1, 2
- v. 1. Helicopters and air freight forwarders, Aug. 13 and Sep. 24, 1965. 1966. viii+157+97 p. il. [Hearings were held in Los Angeles, Calif. and Washington, D.C.]  
L.C. card 66-62532
- v. 2. Travel agents, Aug. 14, 1965-June 2, 1966. 1966. viii+159-410+A99-A351 p. il. [Contains copyright material. These hearings were held in Los Angeles, Calif., Washington, D.C., and Chicago, Ill.]  
L.C. card 66-62243

## Veterans' Affairs Committee, House

Washington, D.C. 20515

- 14443 NSLI refunds, Philippine peso payments, hearings before special subcommittee, 89th Congress, 2d session, on H.R. 16557, Aug. 23 and 24, 1966. 1966. v+4607-59 p. il. † ● Item 1027  
L.C. card 66-62412 Y 4.V 64/3: L 62/11
- 14444 Report of Veterans Administration Committee Studying PBS-PHC (prebed and posthospital care) Activity; Aug. 16, 1966. 1966. ii+44 p. (House committee print 230, 89th Congress, 2d session.) ‡  
L.C. card 66-62494 Y 4.V 64/3: P 91/3

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*Ways and Means Committee, House*  
Washington, D.C. 20515

- 14445 Data on self-employed retirement deduction for taxable year 1964, report submitted by Department of Treasury, Apr. 18, 1966. 1966. ii+14 p. (Committee print, 89th Congress, 2d session.) †  
L.C. card 66-62280 Y 4.W 36: R 31/4
- 14446 Written statements by interested individuals and organizations on H.R. 11297, Foreign investors tax act of 1965, submitted to Committee on Ways and Means, 89th Congress, 2d session. 1966. iv+204 p. (Committee print.) †  
L.C. card 66-62282 Y 4.W 36: F 76 in/6

SENATE  
Washington, D.C. 20510

*Senate documents*

NOTE.—All Senate documents, entries for which are followed by a †, may be obtained from the Senate Document Room or from the issuing office.

Senate documents, 89th Congress.

- 14447 97. Beach erosion control study, St. Johns County, Fla., letter from chief of engineers Army, submitting report; July 11, 1966. 1966. vii+58 p. il. 7 pl. 4° [Also issued in departmental edition and sent to depositories in that form. See Entry no. 14571.] †  
L.C. card 66-62472
- 14448 100. History, membership, and jurisdiction of Senate Committee on Commerce from 1816-1966, prepared under direction of Warren G. Magnuson, chairman; June 24, 1966. 1966. iii+61 p. [Title on cover is: Committee on Commerce, United States Senate, 150th anniversary, 1816-1966.] †  
● Item 996
- 14449 102. Semiannual report of Architect of Capitol, Jan. 1-June 30, 1966; Aug. 19, 1966. 1966. iii+126 p. † ● Item 996
- 14450 104. Report of Secretary of Senate, Jan. 1-June 30, 1966; Aug. 24, 1966. 1966. iv+559 p. † (To be sent to depository libraries in Serial set binding.)
- 14451 106. Where votes are, profile of America in mid-1960's, sketched with statistics on canvas of changing world, as it affects voting habits of 1968, 1972, and thereafter, prepared by staff of Republican Policy Committee, Senate, July 10, 1966; Aug. 30, 1966. 1966. v+43 p. † ● Item 996  
L.C. card 66-62497

*Senate executive document*

Senate executive document, 89th Congress, 2d session. †

- 14452 S. International Convention on Load Lines, 1966, message from President of United States transmitting International Convention on Load Lines, 1966, with annexes, signed London Apr. 5, 1966; Sept. 12, 1966. 1966. vi+80 p. il.  
L.C. card 66-62530 Y 1.89/2: S

*Senate reports*

NOTE.—For titles of bills which these reports accompany, see Congressional record index.

Senate reports on public bills, 89th Congress. † Senate Document Room, Capitol. ● Item 1008-A

- 14453 1232. Consenting to entry of Massachusetts into bus taxation proration agreement. Report from Committee on Judiciary to accompany H.R. 13935. June 9, 1966. 8 p.
- 14454 1365. District of Columbia ball agency act. Report from Committee on District of Columbia to accompany H.R. 15860. July 7, 1966. 8 p.  
L.C. card 66-62020
- 14455 1406. Uniform civil appellate rules. Report from Committee on Judiciary to accompany S. 3254. July 22, 1966. 7 p.
- 14456 1459. Exemptions from Shipping act, 1916. Report from Committee on Commerce to accompany S. 3391. Aug. 15, 1966. 7 p.
- 14457 1460. Merchant Marine act of 1966. Report from Committee on Commerce to accompany S. 3446. Aug. 15, 1966. 10 p.
- 14458 1461. Federal inventions act of 1966. Report together with individual views from Committee on Judiciary to accompany S. 1809. Aug. 16, 1966. 43 p.  
L.C. card 66-62319
- 14459 1463. Conservation of endangered species of fish and wildlife. Report from Committee on Commerce to accompany H.R. 9424. Aug. 17, 1966. 30 p.  
L.C. card 66-62318

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Commerce, Springfield, Va. 22151  
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# GOVERNMENT PUBLICATIONS

## Senate reports on public bills, 89th Congress—Continued

- 14460 1464. Costs of inspection at ports of entry. Report from Committee on Commerce to accompany S. 1596. Aug. 17, 1966. 22 p.
- 14461 1467. Authorizing printing of additional copies of House reports on State taxation of interstate commerce. Report from Committee on Rules and Administration to accompany H. Con. Res. 532. Aug. 17, 1966. 1 p.
- 14462 1477. Authorizing printing of compilation of remarks and addresses by Congressman Daniel J. Flood on Panama Canal Zone policy questions as House document. Report from Committee on Rules and Administration to accompany H. Con. Res. 925. Aug. 17, 1966. 1 p.
- 14463 1478. Empowering CAB to grant temporary international route authority to U.S. carriers. Report from Committee on Commerce to accompany S. 3197. Aug. 17, 1966. 19 p.
- 14464 1479. Implementing provisions of International Convention for Prevention of Pollution of Sea by Oil, 1954. Report from Committee on Commerce to accompany H.R. 8760. Aug. 17, 1966. 17 p.
- 14465 1481. Survivor annuities for reemployed annuitants. Report from Committee on Post Office and Civil Service to accompany S. 699. Aug. 18, 1966. 8 p.
- 14466 1483. Safety of life at sea. Report from Committee on Commerce to accompany H.R. 10327. Aug. 18, 1966. 22 p.
- 14467 1527. Food for peace act of 1966. Report from Committee on Agriculture and Forestry to accompany H.R. 14929. Aug. 25, 1966. 85 p.  
L.C. card 66-62499
- 14468 1549. Migratory farm labor problem in United States. 1966 report of Committee on Labor and Public Welfare made by its Subcommittee on Migratory Labor pursuant to S. Res. 188 (89th Cong., 2d sess.), together with individual views; Aug. 30, 1966. 1966. vli+163 p. il.  
L.C. card 66-62531

## *Aging, Special Committee on, Senate* Washington, D.C. 20510

- 14469 Tax consequences of contributions to needy older relatives, hearing, 89th Congress, 2d session, June 15, 1966. 1966. iii+82 p. \* Paper, 30c.  
● Item 1009  
L.C. card 66-62155 Y 4.Ag 4: T 19

## *Agriculture and Forestry Committee, Senate* Washington, D.C. 20510

- 14470 Expansion of beef exports, hearing, *see* Small Business, Select Committee on, Senate.

## *Appropriations Committee, Senate* Washington, D.C. 20510

- 14471 Agricultural appropriations for fiscal year 1967, hearings before subcommittee, 89th Congress, 2d session, on H.R. 14596. 1966. ii+12 p. [Supplemental hearing relating to limitation on shipments pursuant to Public law 480.] † ● Item 1033  
L.C. card 60-61392 Y 4.Ap 6/2: Ag 8/967-2
- 14472 Labor-Health, Education, and Welfare appropriations for fiscal year 1967, hearings before subcommittee, 89th Congress, 2d session, on H.R. 14745.  
† ● Item 1033  
L.C. card 60-61494 Y 4.Ap 6/2: L 11/967/pt.1,2  
pt. 1. Mar. 2-28, 1966. 1966. ii+1-1385+xx p.  
pt. 2. Mar. 30-June 3, 1966. 1966. ii+1387-2690+xx p. il.
- 14473 [This entry number not used.]

## *Banking and Currency Committee, Senate* Washington, D.C. 20510

- 14474 Interest rates and mortgage credit, hearing, 89th Congress, 2d session, on S. 3687, S. 3627, and S. 3529, Aug. 4, 1966. 1966. iv+128 p. † ● Item 1035  
L.C. card 66-62077 Y 4.B 22/3: In 8/8

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- 14475 Michigan National Bank branch offices, hearing before subcommittee, 89th Congress, 2d session, on S. 308, Aug. 17, 1966. 1966. iv+45 p. il. †  
 ● Item 1035  
 L.C. card 66-62416 Y 4.B 22/3 : M 58/966
- 14476 Regulation of maximum rates of interest paid on savings, hearings, 89th Congress, 2d session, on S. 3687 and H.R. 14026, Aug. 13, 1966. 1966. iii+65 p. † ● Item 1035  
 L.C. card 66-62418 Y 4.B 22/3 : In 8/9
- 14477 Small business investment act amendments of 1966, hearings before Subcommittee, 89th Congress, 2d session, on S. 3695, Aug. 24 and 25, 1966. 1966. iii+80 p. † ● Item 1035  
 L.C. card 66-62255 Y 4.B 22/3 : Sm 1/11/966

*Commerce Committee, Senate*  
 Washington, D.C. 20510

- [Committee hearings] serial, 89th Congress. ● Item 1041
- 14478 67. Ocean freight rates on military cargos, hearings before Subcommittee on Merchant Marine and Fisheries, 89th Congress, 2d session, on S. 3297, May 9 and 10, 1966. 1966. iii+99 p. †  
 L.C. card 66-62078 Y 4.C 73/2 : 89-67
- 14479 Discriminatory shipping practices of foreign nations, reports prepared by Department of State, Maritime Administration, and Federal Maritime Commission; Aug. 12, 1966. 1966. iii+12 p. (Committee print, 89th Congress, 2d session.) †  
 L.C. card 66-62350 Y 4.C 73/2 : Sh 6/15

*Finance Committee, Senate*  
 Washington, D.C. 20510

- 14480 Foreign investors tax act of 1966, hearings, 89th Congress, 2d session, on H.R. 13103, Aug. 8-10, 1966. 1966. v+276 p. \* Paper, 75c. ● Item 1038  
 L.C. card 66-62256 Y 4.F 49 : F 76/5

*Foreign Relations Committee, Senate*  
 Washington, D.C. 20510

- 14481 Nominations of Robert R. Bowie and U. Alexis Johnson, hearings, 89th Congress, 2d session, on nominations of Robert R. Bowie to be counselor of State Department, and U. Alexis Johnson to be ambassador to Japan, Aug. 16 and 23, 1966. 1966. iii+130 p. † ● Item 1039  
 L.C. card 66-62261 Y 4.F 76/2 : B 67/966

*Government Operations Committee, Senate*  
 Washington, D.C. 20510

- 14482 Amend Federal property and administrative service act of 1949, hearing before Subcommittee on Foreign Aid Expenditures, 89th Congress, 2d session, on S. 3385, June 22, 1966. 1966. iii+62 p. † ● Item 1037  
 L.C. card 66-62253 Y 4.G 74/6 : F 31/2/966
- 14483 Disposal of surplus and excess property abroad, hearings before Subcommittee on Foreign Aid Expenditures, 89th Congress, 2d session, May 3-18, 1966. 1966. vi+193 p. il. † ● Item 1037  
 L.C. card 66-62254 Y 4.G 74/6 : Su 7/6/966
- 14484 Population crisis, hearings before Subcommittee on Foreign Aid Expenditures, 89th Congress, 1st session, on S. 1676. ● Item 1037  
 L.C. card 66-60601 Y 4.G 74/6 : P 81/pt.4  
 pt. 4. Appendix. 1966. ix+2013-2362 p. il. \* Paper, \$1.00.
- 14485 Property taxes in Federal enclaves, hearings before Subcommittee on Intergovernmental Relations, 89th Congress, 2d session, on S. 3000, July 12 and 13, 1966. 1966. iv+108 p. † ● Item 1037  
 L.C. card 66-62151 Y 4.G 74/6 : T 19



GOVERNMENT PUBLICATIONS

*Interior and Insular Affairs Committee, Senate*

*Washington, D.C. 20510*

- 14486 Gold production incentives, hearing before Subcommittee on Minerals, Materials, and Fuels, 89th Congress, 2d session, on S. 1377, S. 2562, S. Res. 83, May 4, 1966. 1966. v+149 p. il. † ● Item 1040  
L.C. card 66-62150 Y 4.In 8/13 : G 56/5
- 14487 Interior nomination, hearing, 89th Congress, 2d session, on nomination of Frank C. Di Luzio to be Assistant Secretary of Interior, July 20, 1966. 1966. ii+40 p. il. † ● Item 1040  
L.C. card 66-62154 Y 4.In 8/13 : N 72/966-3
- 14488 North Cascades-Olympic National Park, hearings, 89th Congress, 2d session, on study team report on recreational opportunities in State of Washington, Feb. 11 and 12, 1966. 1966. xxxvii+1062 p. il. † ● Item 1040  
L.C. card 66-62420 Y 4.In 8/13 : N 81c
- 14489 Point Reyes National Seashore, hearing before Subcommittee on Parks and Recreation, 89th Congress, 2d session, on S. 1607, July 27, 1966. 1966. iii+54 p. † ● Item 1040  
L.C. card 66-62421 Y 4.In 8/13 : P 75/966
- 14490 Redwood National Park, hearings before Subcommittee on Parks and Recreation, 89th Congress, 2d session, on S. 2962. ● Item 1040  
L.C. card 66-62157 Y 4.In 8/13 : R 24/8/pt.1  
pt. 1. Crescent City, Calif., June 17 and 18, 1966. 1966. vi+427 p. il. †
- 14491 Sawtooth Park on Recreation Area, hearings before Subcommittee on Parks and Recreation, 89th Congress, 2d session, on S. 3294 and S. 3295, June 13 and 14, 1966. 1966. vii+217 p. il. † ● Item 1040  
L.C. card 66-62080 Y 4.In 8/13 : Sa 9/2

*Judiciary Committee, Senate*

*Washington, D.C. 20510*

- 14492 Alleged price fixing of library books, hearings before Subcommittee on Antitrust and Monopoly, 89th Congress, 2d session, pursuant to S. Res. 191, Mar. 23-May 12, 1966. 1966. iv+177 p. \* Paper, 45c. ● Item 1042  
L.C. card 66-62073 Y 4.J 89/2 : L 61
- 14493 Civil rights, hearings before Subcommittee on Constitutional Rights, 89th Congress, 2d session, on S. 3296, amendment 561 to S. 3296 [and other bills]. † ● Item 1042  
L.C. card 66-62273 Y 4.J 89/2 : C 49/13/966/pt.1,2  
pt. 1. June 6-28, 1966. 1966. ix+1-961 p.  
pt. 2. July 13-Aug. 4, 1966, and appendices. 1966. ix+963-1855 p. 1 tab.
- 14494 Cuban refugee program, hearings before Subcommittee to Investigate Problems Connected with Refugees and Escapees, 89th Congress, 2d session. ● Item 1042  
L.C. card 66-62158 Y 4.J 89/2 : C 89/2/966/pt.3  
pt. 3. Newark, N.J., Apr. 15, 1966. 1966. iii+211-304 p. †
- 14495 Distribution problems affecting small business, hearings before Subcommittee on Antitrust and Monopoly, 89th Congress, 2d session, pursuant to S. Res. 191. ● Item 1042  
L.C. card 65-62474 Y 4.J 89/2 : Sm 1/pt.2  
pt. 2. Jan. 18-27, 1966. 1966. iv+497-964 p. \* Paper, \$1.25.
- 14496 Proposed travel controls, hearings before Subcommittee to Investigate Administration of Internal Security Act and Other Internal Security Laws, 89th Congress, 2d session, on S. 3243, May 17-19, 1966. 1966. iii+185+vii p. il. \* Paper, 50c. ● Item 1042  
L.C. card 66-62423 Y 4.J 89/2 : T 69/3
- 14497 Study of anatomy of Communist takeover, prepared by Assembly of Captive European Nations for Subcommittee to Investigate Administration of Internal Security Act and Other Internal Security Laws. 1966. iii+70+v p. (Committee print, 89th Congress, 2d session.) \* Paper, 25c.  
L.C. card 66-62434 Y 4.J 89/2 : C 73/53

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*Labor and Public Welfare Committee, Senate*  
Washington, D.C. 20510

- 14498 Amendments to Economic opportunity act of 1964, hearings before Subcommittee on Employment, Manpower, and Poverty, 89th Congress, 2d session, on S. 3164, S. 2908, S. 3139, June 21-24, 1966. 1966. ix+737 p. il. † ● Item 1043  
L.C. card 66-62262 Y 4.L 11/2: Ec 7/966
- 14499 Family planning program, hearing before Subcommittee on Employment, Manpower, and Poverty, 89th Congress, 2d session, on S. 2993, May 10, 1966. 1966. iv+135 p. † ● Item 1043  
L.C. card 66-62149 Y 4.L 11/2: F 21
- 14500 Nomination, hearing, 89th Congress, 2d session, on Bertrand M. Harding of Virginia to be deputy director of Office of Economic Opportunity, June 2, 1966. 1966. ii+15 p. † ● Item 1043  
L.C. card 66-61967 Y 4.L 11/2: N 72/5/966-5
- 14501 — on Stanley H. Ruttenberg of Maryland to be Assistant Secretary of Labor, June 2, 1966. 1966. ii+13 p. † ● Item 1043  
L.C. card 66-61988 Y 4.L 11/2: N 72/5/966-4

*Post Office and Civil Service Committee, Senate*  
Washington, D.C. 20510

- 14502 Parcel post, hearings, 89th Congress, 2d session, on H.R. 14904, July 12-Aug. 3, 1966. 1966. vii+657 p. il. † ● Item 1044  
L.C. card 66-62156 Y 4.P 84/11: P 21

*Public Works Committee, Senate*  
Washington, D.C. 20510

- 14503 Revenue bond financing by TVA, hearing before Subcommittee on Flood Control, Rivers and Harbors, 89th Congress, 2d session, on H.R. 15225, S. 3419, and S. 2827, June 28, 1966. 1966. iii+121 p. il. † ● Item 1045  
L.C. card 66-62162 Y 4.P 96/10: T 25/5/966

*Rules and Administration Committee, Senate*  
Washington, D.C. 20510

- 14504 Special Committee on Organization of Congress, hearing, 89th Congress, 2d session, on S. Res. 293, Aug. 17, 1966. 1966. iii+17 p. † ● Item 1046  
L.C. card 66-62153 Y 4.R 86/2: C 76/4/966

*Small Business, Select Committee on, Senate*  
Washington, D.C. 20510

- 14505 Expansion of beef exports, hearings before Select Committee on Small Business and Committee on Agriculture and Forestry, Senate, 89th Congress, 1st session  
L.C. card 65-61970 Y 4.Sm 1/2: B 39/pt.2  
pt. 2. Briefing on agricultural and beef proposals and potential problems in Kennedy-round trade negotiations, Sept. 9, 1965. 1966. iii+325-358 p. † ● Item 1032 and 1049
- 14506 Regional procurement, hearings before subcommittee, 89th Congress, 2d session. ● Item 1049  
L.C. card 66-61216 Y 4.Sm1/2: P 94/11/pt.3  
pt. 3. Small business procurement in New York State, Feb. 21, 1966. 1966. iii+449-541 p. [These hearings were held in New York City.] †

**CONSUMER AND MARKETING SERVICE, Agriculture Dept.**  
Washington, D.C. 20250

- C&MS (series). † A 88.40/2: (nos.)
- 14507 11. Packaged fluid milk sales in Federal milk order markets by size and type of containers and distribution method, during Nov. 1964. [July 1966.] 42 p. 4° (Dairy Division.)

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## C&MS (series)—Continued

- 14508 14. Fresh fruit and vegetable shipments by commodities, States, months, calendar year 1965. June 1966. 20 p. 4° (Fruit and Vegetable Division, Market News Branch.)  
L.C. card 57-60882
- 14509 22. Bulk cooling tanks on farms supplying Federal milk order markets, [Jan. 1966]. Aug. 1966. 16 p. 4° (Dairy Division.) [Previous report, for Jan. 1964, was issued by Agricultural Marketing Service in June 1964 as AMS-261.]  
L.C. card 62-60415
- 14510 49. Federal seed act. [Aug. 1966.] [2] p. oblong 8°, folded into narrow 8° size.
- 14511 50. Sources of milk for Federal order markets by State and county. Sept. 1966. 50+[2] p. il. 4° (Dairy Division.) [Reported for 1963 in AMS-243 (1964), issued Nov. 1964.]
- 14512 United States standards for grade of pickles, effective Sept. 1, 1966. 3d issue. [1966.] [2]+13 p. il. 4° [Published in Federal register, July 29, 1966. Supersede standards which have been in effect since Apr. 30, 1954.] †  
A 88.6/2: P 587/966

## CUSTOMS BUREAU, Treasury Dept. Washington, D.C. 20226

- 14513 Measurement of vessels, regulations relating to admeasurement of vessels, together with relevant laws of United States, Suez Canal regulations, and Panama Canal rules, pt. 2 of Customs regulations, revised to Jan. 1951. 1966 reprint. iii+[131] p. il. 4° [Cumulates revised pages sets 1-14 of 1951 printing. Issued in looseleaf form.] \* Paper, \$1.25. ● Item 948  
L.C. card 43-50845 T 17.9 '2: V 63/rep. 966

## DEFENSE DEPARTMENT Washington, D.C. 20301

### Cataloging handbook H (series).

- 14514 7. Manufacturers part and drawing numbering systems, supplement. Aug. 1966. vii+136 p. il. 4° (Defense Logistics Services Center, Defense Supply Agency, Battle Creek, Mich.) [Seventh cumulative supplement to basic handbook dated Nov. 1964. Supersedes cumulative supplement dated May 1966. Issued with perforations.] † ● Item 314-A D 7.6/2: 7/3/supp. 7
- 14515 Classes of surplus personal property sold by Department of Defense. Aug. 1966. 31 p narrow 8° (Defense Supply Agency, Defense Logistic Services Center, Federal Center, Battle Creek, Mich.) † ● Item 314-A  
D 7.2: P 94/5/966

### Defense Supply Agency handbook DSAH (series) ● Item 314-A

- 14516 4160.1 Defense scrap yard handbook [with Bibliography for sources of information on metals and materials history and outlook]. June 1966. cover title, vi+[180] p. il. 4° ([Army Department] TM 755-200; NAVSANDA PUB 5523; [Air Force Dept.] AFM 68-3; [Marine Corp] MCO P4010.2A.) [Issued in looseleaf form. Supersedes DSAH 4160.1, TM 754-200, AFM 68-3, MCO P4010.2, Dec. 1962.] \* Paper, \$1.25.  
D 7.6/7: 4160.1/2
- 14517 Federal supply classification listing of DOD standardization documents; July 31, 1966. [1966.] vi+1042 p. 4° [Issued in looseleaf form. Supersedes index dated July 31, 1965 and supplement dated May 31, 1966.] \* Paper, \$10.00 (including basic book and cumulative bimonthly supplements); \$2.50 additional for foreign mailing. ● Item 314-G  
D 7.14/2: 966
- 14518 Guide to contractor performance evaluation (development and production), June 1966. [1966.] viii+74 p. il. 4° \* Paper, 50c. ● Item 314-A  
D 7.6/4: C 76/2
- 14519 Index of specifications and standards: July 31, 1966. [1966.] [Issued in looseleaf form. Supersedes Index dated July 31, 1965 and supplement dated May 31, 1966.] \* Paper \$20.00 (including basic issues, pts. 1 and 2, with cumulative bi-monthly supplements for each part for an indefinite period); \$5.00 additional for foreign mailing. ● Item 314-G  
L.C. card 61-64801 D 7.14: 966/pt. 1, 2  
pt. 1. Alphabetical listing. vii+827 p. 4°  
pt. 2. Numerical listing. vii+A1193+B 116 p. 4°

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- 14520 MILSTRIP, military standard requisitioning & issue procedures, Change 13; Aug. 1, 1966. [1966.] [229] p. 4° (DoD 4140.17-M; Office of Assistant Secretary of Defense (Installations and Logistics.) [Issued in loose-leaf form.] \* Paper, \$1.25. ● Item 314-A D 7.6/4: M 59/ch. 13  
Plastics Technical Evaluation Center, Picatinny Arsenal, Dover, N.J.: PLASTEC reports. D 4.11: (nos.)
- 14521 26. Fiber reinforced thermoplastics, applications, molding techniques, and performance data [with bibliographies]; by Nicholas T. Baldanza. May 1966. vii+50+[2] p. +[3] leaves, il. 4° [Issued with perforations.] Φ Paper, \$3.00  
L.C. card 66-62526
- 14522 28. Polybenzimidazoles, review [with list of references]; by J. Richard Hall and David W. Levi. July 1966. [1]+43+[2] p. +[3] leaves, il. 4° [Issued with perforations.] Φ Paper, \$2.00.  
L.C. card 66-62527
- Poster DSA-P (series). (Defense Supply Agency.)
- 14523 5220.1. Security violations don't just happen, they are caused. 1966. 22×14 in. \* Cardboard, 20c. D 7.19: 5220.1

DEFENSE DOCUMENTATION CENTER, Defense Dept.  
Alexandria, Va. 22314

- 14524 Thesaurus of DDC descriptors. June 1966. [1]+iii+510 p. 4° (Cameron Station, Alexandria, Va.) [Updates Thesaurus of ASTIA descriptors, 2d edition, Dec. 1962, and supersedes DDC supplement to thesaurus of ASTIA descriptors, 2d edition, DDC authorized descriptors, July 1964, and Descriptor hierarchies, July 1964.] ‡ ● Item 314-E  
L.C. card 66-62431 D 10.2: D 45/966

DISTRICT OF COLUMBIA  
Washington, D.C. 20004

- 14525 List of legal investments for trust funds in District of Columbia, as of July 1, 1966. [1966.] ii+61 p. [Semiannual.] † Office of Register of Wills and Clerks of Probate Court. ● Item 430-A  
L.C. card 41-7391 DC 21.9: 966-2

ECONOMIC OPPORTUNITY OFFICE, Executive Office of the  
President, Washington, D.C. 20596

- 14526 Foster grandparent program. [1966.] 5 p. 4° (Public Affairs; G1.) † ● Item 857-H  
PrEx 10.2: G 81
- 14527 Job Corps centers [list], July 1, 1966. [1966.] 7 p. 4° † ● Item 857-H  
PrEx 10.2: J 57/3/966-2
- 14528 Migrant worker programs in rural community action, migrant programs can promote education and training, improved working conditions, housing, community understanding. [1966.] [4] p. narrow 8° ([C-38]; Community Action Program.) † PrEx 10.2: M 58/3

ECONOMIC RESEARCH SERVICE, Agriculture Dept.  
Washington, D.C. 20250

- Costs and returns FCR (series). ([Farm Production Economics Division.]) † A 93.9/11: (nos.)
- 14529 37. Western livestock ranches, 1965; [by Wylie D. Goodsell and James R. Gray]. May 1966. [2]+13 p. il. 4°
- 14530 39. Commercial wheat farms, Pacific Northwest, Northern Plains, Southern Plains, 1965; [by Edgar B. Hurd]. June 1966. [2]+16 p. il. 4°
- 14531 40. Commercial tobacco-livestock farms, Bluegrass area, Ky.; [by Owen K. Shugars and John H. Bondurant]. June 1966. [2]+13 p. il. 4° [Prepared in cooperation with Kentucky Agricultural Experiment Station.]
- 14532 41. Commercial egg-producing farms, New Jersey, 1965; [by David T. Mateyka and Robert G. Latimer]. July 1966. [2]+8 p. il. 4°
- 14533 42. Commercial Corn Belt farms, 1965; [by Paul E. Rosenberry]. July 1966. [2]+10 p. il. 4°

‡For Sale by Clearinghouse, U.S. Department of  
Commerce, Springfield, Va. 22151  
●Sent to Depository Libraries



# GOVERNMENT PUBLICATIONS

ERS (series). †

A 93.21: (nos.)

- 14534 205, supp. 1. Marketing economics research publications, reference list; [by Marketing Economics Division]. [May 1966.] ii+10 p. 4°  
L.C. card Agr 65-255
- 14535 270. Rural home financing through voluntary home mortgage credit program; [by Lawrence A. Jones]. [July 1966.] iv+22 p. il. 4°  
L.C. card Agr 66-263
- 14536 274. Proceedings of workshop-seminar on market development and promotion for agricultural products, University of California, Berkeley, Calif., June 21-25, 1965. [1966.] cover title, vi+126 p. il. 4° [Text on p. 2 of cover.] ● Item 42-1  
L.C. card Agr 66-262
- 14537 286. Farm population, estimates for 1965. Apr. 1966. 4 p. 4° (Human Resources Branch, Economic Development Division.)
- 14538 287. Variability of wheat yields in Great Plains; [by Donald K. Larson and Layton S. Thompson]. [June 1966.] [2]+38 p. il. 4° [Prepared in cooperation with Montana Agricultural Experiment Station.]  
L.C. card Agr 66-211
- 14539 291. Ownership changes made by bakery and dairy products companies, 1959-64 [with list of literature cited; by Edward A. Cohn and Lindon N. Crutchfield]. [June 1966.] iv+12 p. 4°  
L.C. card Agr 66-203
- 14540 292. Changed market for U.S. cigar leaf tobacco; [by Clarence L. Hendrickson]. [July 1966.] 28 p. il. 4°  
L.C. card Agr 66-208
- 14541 294. Recreation facilities and services operated by FHA borrowers; [by Judith M. Huff and Hugh A. Johnson]. [June 1966.] iv+12 p. 4°  
L.C. card Agr 66-282
- 14542 296. Feasibility of establishing alfalfa dehydrating plants in Northwest resource conservation development project areas [with selected references; by J'Wayne McArthur and Gary C. Taylor]. [July 1966.] iv+14 p. il. 4°  
L.C. card Agr 66-284
- 14543 299. Crambe abyssinica, bibliography, 1945-65; [compiled by Ray Corkern]. [July 1966.] ii+9 p. 4°  
L.C. card Agr 66-261

ERS-foreign (series). †

A 93.21/2: (nos.)

- 14544 159. Foreign agriculture economics: Cyprus' agricultural economy in brief; by Henrietta Holm Tegeler. July 1966. 9 p. il. 4° (Foreign Regional Analysis Division.)  
L.C. card Agr 66-264
- 14545 161. Europe and Soviet Union agricultural situation, midyear review; [prepared in Europe and Soviet Union Branch]. July 1966. 8 p. 4° (Foreign Regional Analysis Division.)
- 14546 162. Far East and Oceania agricultural situation, midyear review; [prepared in Far East Branch]. July 1966. 16 p. 4° (Foreign Region Analysis Division.)
- 14547 Farm-mortgage lending experience of 20 life insurance companies, Federal land banks and Farmers Home Administration, July-Dec. 1965, and calendar year 1965. July 1966. 12 p. 4° (FML-16; Farm Production Economics Division.) † A 93.9/5: 16
- 14548 Farm real estate market developments, CD-68. July 1966. 44 p. il. 4° [Semiannual.] † ● Item 42-A A 93.9/4: 68

## EDUCATION OFFICE, Health, Education, and Welfare Dept. Washington, D.C. 20202

- 14549 Education in Spain, educational data [with list of selected references by] Ellen M. Doherty in collaboration with George A. Male. [1966.] [3]+36 p. il. (OE-14034-79.) \* Paper, 20c. ● Item 460-A-14  
L.C. card HEW 66-138 FS 5.214: 14034-79
- 14550 Educational developments in Congo (Leopoldville); by Betty George. [1966.] x+[2]+196 p. il. (OE-14109; Bulletin 1966, no. 1.) [Text on p. 2 of cover.] \* Paper, 70c. ● Item 460-A-14  
L.C. card HEW 66-137 FS 5.214: 14109
- 14551 Equality of educational opportunity: [sec. 1-sec. 9.9]; by James S. Coleman [and others]. [1966.] vi+737 p. il. 4° (OE-38001; [National Center for Educational Statistics].) [Report of survey, submitted to the President and Congress under sec. 402 of Civil rights act of 1964. Section 1 also issued separately as OE-38000.] \* Paper, \$4.25. ● Item 460-A-38  
L.C. card HEW 66-127 FS 5.238: 38001

\*For Sale by Superintendent of Documents

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‡Official Use. Not Available

- 14552 — sec. 9.10, Correlation tables, supplemental appendix to survey. [1966.] vii+548 p. 4° (Oe-38001, supplement; [National Center for Educational Statistics].) [OE number incorrectly given on title page as 380001.] \* Paper, \$3.00. ● Item 460-A-38  
L.C. card HEW 66-127 FS 5.238: 38001/supp.
- 14553 Foreign curriculum specialists, overseas projects in education. [1966.] [2]+4+[1] p. narrow 8° ([OE-14129.]) † ● Item 460-A-14  
FS 5.214: 14129
- 14554 Instructions for title 1, 1967 application forms, Public law 89-10, Elementary and secondary education act of 1965. June 17, 1966. cover title, [1]+20 p. 4° (OE-37003.) † ● Item 460-A-37 FS 5.237: 37003
- 14555 National Teacher Corps, guidelines. [1966.] [6]+1-1a, 2-28 p. 4° †  
FS 5.6/2: N 21
- 14556 New construction and rehabilitation on college campuses, 1961-62, 1962-63, and 1963-64; [by] Leslie F. Robbins. [1966.] viii+79 p. il. 4° (OE-51011; [National Center for Educational Statistics].) [Text on p. 2 of cover.] \* Paper, 50c. ● Item 460-A-51 FS 5.251: 51011
- 14557 Office of Education records handbook, standard filing system. [Revised June 1, 1966.] [1966.] cover title, [5]+89+[5] p. il. 4° (OE-11003-A; Office of Administration.) [Prepared with technical assistance of General Services Administration, National Archives and Records Service, Office of Records Management. Issued in looseleaf form with marginal index tabs on divider sheets showing titles.] † ● Item 460-A-11  
FS 5.211: 11003-A
- 14558 1967-68 opportunities abroad for teachers under international educational and cultural exchange program, teaching, summer seminars. [1966.] iii+20 p. (OE-14047-68.) [Text on p. 2 of cover.] † ● Item 460-A-14  
FS 5.214: 14047-68
- 14559 Progres de l'instruction publique aux Etats-Unis d'Amerique, 1965-66, rapport de l'Office de l'Education, U.S. Department of Health, Education, and Welfare, a 29th Conference Internationale de l'Instruction Publique, Geneve, Suisse, du Juin au 9 Juillet 1966, sous les auspices de l'Organisation des Nations Unies pour l'Education, la Science et la Culture et du Bureau International de l'Education [with bibliography]. [1966.] vi+71 p. il. 4° (OE-10005-66-B.) \* Paper, 50c. FS 5.210: 10005-66-B
- 14560 Progreso de la instrucción pública en los Estados Unidos de América, 1965-66, informe presentado por la Oficina Federal de Educación, Secretaría de Salubridad, Educación y Asistencia Social de los Estados Unidos de América ante la 29th Conferencia Internacional de Educación Pública, celebrada en Ginebra, Suiza, del 27 de Junio al 9 de Julio de 1966, patrocinada conjuntamente por la Organización de las Naciones Unidas para la Educación, la Ciencia y la Cultura y la Oficina Internacional de Educación [with bibliography]. [1966.] vi+71 p. il. 4° (OE-10005-66-D.) \* Paper, 50c. FS 5.210: 10005-66-D
- 14561 Progress of public education in United States, 1965-66, report of Office of Education, Department of Health, Education, and Welfare to 29th International Conference on Public Education, Geneva, Switzerland, June 27-July 9, 1966, jointly sponsored by United Nations Educational, Scientific and Cultural Organization and International Bureau of Education [with bibliography]. [1966.] vi+72 p. il. 4° (OE-10005-66-C.) [Printed in Russian.] \* Paper, 50c.  
L.C. card E 56-120 FS 5.210: 10005-66-C
- 14562 Publications of Office of Education 1966; prepared by Bobbie Doud. [1962, revised June 1966.] [1966.] vii+60 p. (OE-11000D.) \* Paper, 30c. ● Item 460-A-11 FS 5.211: 11000-D
- 14563 Review of activities in Federally aided programs, vocational & technical education, fiscal year 1964. [1966.] v+74 p. 4° ([OE-80008-64.]) \* Paper, 45c. ● Item 460-A-80 FS 5.280: 80008-64

- 14564 Social science in Soviet secondary schools, syllabus of new course; by staff of Eastern Europe Unit, Comparative Research Branch. [1966.] iii+23 p. (OE-14124.) \* Paper, 15c. ● Item 460-A-14  
L.C. card HEW 66-131 FS 5.214: 14124
- 14565 Textbooks for Soviet schools; compiled by Nellie Apanasewicz in collaboration with Seymour M. Rosen. [1966.] [1]+ii+14 p. (OE-14123.) \* Paper, 15c. ● Item 460-A-14  
L.C. card HEW 66-132 FS 5.214: 14123
- 14566 White House Conference on Education. [1965.] 16 p. il. large 4° ([OE-10035.]) [Reprinted from American education.] \* Paper, 25c.  
FS 5.210: 10035

### EMPLOYMENT SECURITY BUREAU, Labor Dept. Washington, D.C. 20210

- 14567 Current employment market for engineers, scientists, and technicians; [prepared by Norma F. Ausmus and Alvin W. Saile]. [July 1966.] cover title, iii+31 p. il. 4° †  
L.C. card L 62-59 L 7.63/2: 966
- 14568 Developments in community employment program. [1966.] 21 p. il. 4° † ● Item 755  
L 7.2: C 73/966
- 14569 Occupations in care and rehabilitation of mentally retarded [with bibliography; by Randolph M. Gregg and Milton R. Boss]. [1966.] cover title, [6]+76 p. il. ([United States Employment Service.]) [Includes list of selected occupational information publications.] † ● Item 755  
L.C. card 66-62544 L 7.2: M 52

### ENGINEERS CORPS (Army), Defense Dept.

NOTE.—Orders or requests for publications of the Engineers Corps, other than those sold by the Superintendent of Documents or by offices of the Engineers Corps in other cities, should be addressed to Chief of Engineers, U.S. Army, Washington, D.C. 20310, Attention Publications Office.

- 14570 Annual report of Chief of Engineers, Army, on civil works activities, fiscal year 1965, v. 1. [1966.] xxxv+120 p. il. [Also issued as H. doc. 324, pt. 1, 89th Cong., 2d sess.] \* Paper, 45c. ● Item 334  
L.C. card 15-4908 D 103.1: 965/v.1
- 14571 Beach erosion control study, St. Johns County, Fla., letter from chief of engineers, Army, submitting report; July 11, 1966. 1966. vii+58 p. il. 7 pl. 4° [Also issued as S. doc. 97, 89th Cong., 2d sess.] † ● Item 334-A  
D 103.22: Sa 2j/2
- 14572 Hurricane survey of northwest Florida coast, letter from chief of engineers, Army, submitting report on interim hurricane survey [with bibliography]; July 11, 1966. 1966. x+91 p. il. 12 pl. 4° [Also issued as H. doc. 459, 89th Cong., 2d sess.] † ● Item 334-A  
D 103.22: F 66/9
- 14573 List of publications of Army Engineer Waterways Experiment Station, including hydraulic reports of other Corps of Engineer laboratories and reports of hydraulic model investigations sponsored by other Corps of Engineers offices [new and revised pages]; Jan. 1, 1966. Army-MRC Vicksburg, Miss. [1966.] vi+[100] p. 4° [Issued in looseleaf form.] † Army Engineer Waterways Experiment Station, Post Office Box 631, Vicksburg, Miss. 39180  
L.C. card 50-60820 D 103.24/6: 965/rev. pages
- Transportation series. ● Item 343
- 14574 3. Transportation lines on Great Lakes system, 1966; prepared by Board of Engineers for Rivers and Harbors. 1966. ix+53 p. oblong 8° \* Paper, 40c.  
L.C. card 36-26222 rev. 3 D 103.10: 3/966

### Waterways Experiment Station.

NOTE.—Unless otherwise indicated, publications of Waterways Experiment Station may be ordered from Corps of Engineers, U.S. Army, Waterways Experiment Station, Vicksburg, Miss. (price upon application).

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‡Official Use. Not Available



## —Technical reports.

D 103.24/2:(nos.)

- 14575 2-725. Designs for rubble-mound breakwaters, Dana Point Harbor, Calif., hydraulic model investigation; by Y. B. Dai R. A. Jackson. Army-MRC, Vicksburg, Miss., June 1966. ix+23+5+[21] p. il. 10 pl. 11 p. of pl. 4 tab., 4° [Sponsored by Army Engineer District, Los Angeles.] ‡
- 14576 6-454. Investigation of improved Carlson stress meter: report 2, Supplementary tests; by E. E. McVoy, jr. Army-MRC Vicksburg, Miss., July 1966. ix+11+[10] p. il. 4° ‡

**ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION,**  
Commerce Dept., Washington, D.C. 20235

- 14577 ESSA symposium on earthquake prediction, Rockville, Md., Feb. 7-9, 1966. 1966. v+167 p. il. 4° \* Paper, \$1.00. ● Item 208-B-1  
L.C. card 66-62263 C 52.2: Ea 7
- ESSA world [official employee publication; John M. Overstreet, editor]. [Quarterly.] † C 52.14:(date)
- 14578 July 1966—  
Key to meteorological records documentation. ● Item 275-C  
C 30.66/2:(nos.)
- 14579 5.38. Catalogue of meteorological satellite data, Tiros VIII television cloud photography, pt. 3 [with list of references]. 1966. ii+18+[49] p. il. 4° (Environmental Data Service.) \* Paper, 45c.  
L.C. card 65-65647
- 14580 5.311. Catalogue of meteorological satellite data, ESSA 1 television cloud photography, pt. 1. 1966. [1]+28+[169] p. il. 4° (Environmental Data Service.) \* Paper, \$1.00.
- 14581 World weather records, 1951-60; v. 2, Europe. 1966. vii+547 p. map. (Environmental Data Services.) \* Cloth \$3.00. ● Item 275  
L.C. card 59-65360 C 30.2: W 89/951-60/v.2

**EQUAL EMPLOYMENT OPPORTUNITY COMMISSION**  
Washington, D.C. 20506

NOTE.—The Equal Employment Opportunity Commission was established by Public Law 88-352, 88th Congress, approved July 2, 1964 (78 Stat. 241; 42 U.S.C. 2000a).

Digest of legal interpretations issued or adopted by Commission, compilation; prepared by Office of General Counsel. [Quarterly.] †  
Y3.Eq 2: 10/(date)

- 14582 965-1— July 2-Oct. 8, 1965—

**FAMILY SERVICES BUREAU, Health, Education, and Welfare Dept.**  
Washington, D.C. 20201

## [P.A. reports.]

FS 14.213:(nos.)

- 14583 57. Les groupes a l'aide de l'individu, 6 rapports d'informations générales présenté au Séminaire des Services par Groupes, Avril 19-23, 1965. [1966.] v+81 p. [For English edition, see Monthly catalog, Oct. 1965, entry 16138.] \* Paper, 30c.
- 14584 57. Ayudando a la gente en grupos, 6 documentos de trabajo presentados en el Seminario sobre Servicios de Grupo, Abril 19-23, 1965. [1966.] iv+79 p. [For English edition, see Monthly catalog, Oct. 1965, entry 16138.] \* Paper, 30c.
- 14585 Progress report on staff development for fiscal year 1965. June 1966. [22] p. 4° [Issued with perforations.] †  
FS 14.220: 965
- 14586 Public assistance, costs of State and local administration, services, and training, calendar year 1965. July 12, 1966. [12] p. oblong 8° (Division of Research.) [Issued with perforations.] †  
FS 14.202: P 96/7/965-2
- 14587 — vendor payments for medical care by type of service, calendar year 1964. Aug. 3, 1965. [14] p. oblong 8° (Division of Program Statistics and Analysis.) [Issued with perforations.] †  
L.C. card HEW 62-152 FS 14.202: M 46/964

‡For Sale by Clearinghouse, U.S. Department of  
Commerce, Springfield, Va. 22151  
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# GOVERNMENT PUBLICATIONS

- 14588 Working with groups, guide for administration of group services in public welfare [with selected reading list]; by Marjorie Montelius. [1966.] iv+57 p. ([BFS 13-24/Professional.]) \* Paper, 25c. ● Item 468-B-3 L.C. card HEW 66-133 FS 14:208: G 91

## FARMER COOPERATIVE SERVICE, Agriculture Dept. Washington, D.C. 20250

- Bulletin reprints. † A 89.3/a: (nos.)
- 14589 2. Supply cooperatives; [by Warren Mather and Staff, Farm Supplies Branch]. [1966.] cover title, 49 p. il. [Reprint from FSC bulletin 1, Farmer cooperatives in United States. Contents on p. 2 of cover; page 49, last page of text, printed on p. 3 of cover. Text on p. 2 of cover.]
- 14590 3. Basic cooperative features; [by Joseph G. Knapp]. [1966.] [3]+11 p. il. [Reprint from FSC Bulletin 1, Farmer cooperatives in United States, revised 1965.]
- 14591 4. Agricultural cooperation, pioneer to modern; [by Martin A. Abrahamsen]. [1966.] iii+23 p. il. [Reprint from FSC bulletin 1, Farmers cooperatives in United States, revised 1965.]
- 14592 5. Communications vital to cooperatives; [by Beryle E. Stanton]. [1965.] [2]+14 p. il. [Reprint from FSC bulletin 1, Farmer cooperatives in United States, issued 1965.]
- 14593 Cooperatives, partners in American life, proceedings of Cooperative Month observance, Oct. 1965. [July 1966.] cover title, iv+116 p. il. 4° † ● Item 65-C A 89.2: C 78 L.C. card 66-62432

### General report.

- 14594 134. Statistics of farmer cooperatives, 1963-64; by Bruce L. Swanson. [July 1966.] vi+24+[1] p. 4° † ● Item 65-A A 89.11: 134

### News for farmer cooperatives, reprint.

- 14595 316. Bargaining cooperatives look to future; [by Walter M. Furbay]. [1966.] [4] p. il. 4° † A 89.8/a: 316

## FARMERS HOME ADMINISTRATION, Agriculture Dept. Washington, D.C. 20250

- 14596 Mid-Hudson rural development. June 1966. cover title, [1]+12+[14] p. il. 4° † A 84.2: H 86
- 14597 Press reports, building rural America, rural areas development. [July 1966.] cover title, iii+51 p. il. 4° † A 84.2: P 92

## FEDERAL AVIATION AGENCY Washington, D.C. 20553

- 14598 FAA Academy catalog. [1966.] ix+240 p. il. † Federal Aviation Aeronautical Center, Oklahoma City, Okla. FAA 1.2: F 31/3

### Federal aviation regulations. [Issued in looseleaf form.]

- FAA 1.6/8: (nos.)
- 14599 pt. 33. Airworthiness standards, aircraft engines, Change 2 [effective] July 6, 1966. [1966.] [8] p. 4° [Incorporates Amendment 33-2.] †
- 14600 pt. 43. Maintenance, preventive maintenance, rebuilding, and alteration, Change 6, [effective] July 6, 1966. [1966.] [6] p. 4° [Incorporates Amendment 43-6.] †
- 14601 pt. 45. Identification and registration marking, Change 2, [effective] July 21, 1966. [1966.] [3] leaves+4 p. 4° [Incorporates amendment 45-2.] †
- 14602 pt. 61. Certification: Pilots and flight instructors, Change 15 [effective] July 6, 1966. Aug. 15, 1966. [20] p. 4° [Incorporates amdt. 61-21.] † ● Item 431-C-13
- 14603 pt. 63. Same: Flight crewmembers other than pilots, Change 5, [effective] July 1 and 6, 1966 [and] Aug. 15, 1966. [1966.] [10] p. 4° [Incorporates Amendment 63-4.] †
- 14604 pt. 65. Same: Airmen other than flight crewmembers, Change 7; [effective] Aug. 15, 1966. [1966.] [10] p. 4° [Incorporates Amendment 65-8.] †
- 14605 pt. 67. Medical standards and certification, Change 5, [effective] July 16, 1966. [1966.] [8] p. 4° [Incorporates amdt. 67-5.] †
- 14606 pt. 77. Objects, affecting navigable airspace, Change 1; [effective] July 12, 1966. [1966.] [10] p. 4° [Incorporates amendment 77-2.] †
- 14607 pt. 95. IFR altitudes. [1966.] cover title, [16] p. il. 4° [Reissued to include subparts B and D.] \* Paper, 20c. ● Item 431-C-13

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- 14608 pt. 103. Transportation of dangerous articles and magnetized materials, Change 2, [effective] July 31, 1966. [1966.] [4]+6 p. 4° [Incorporates amtds. 103-2.] †
- 14609 pt. 121. Certification and operations: Air carriers and commercial operators of large aircraft, Change 13; [effective] June 30, 1966. [1966.] [18] p. 4° [Incorporates amdt. 121-20.] †
- 14610 Same: Change 14: [effective] Sept. 8, 1966. [1966.] [12] p. 4° [Incorporates amdt. 121-21.] †
- 14611 pt. 127. Certification and operations of scheduled air carriers with helicopters, Change 5 [effective] July 6, 1966. [1966.] [8] p. 4° [Incorporates amdt. 127-5.] †
- 14612 Same: Change 6, [effective] Sept. 8, 1966. [1966.] [11] p. 4° [Incorporates amdt. 127-6.] †
- 14613 pt. 133. Rotorcraft external-load operations, Change 2: [effective] July 6, 1966. [1966.] [12] p. 4° [Incorporates Amendment 133-2.] †
- 14614 pt. 145. Repair stations, Change 6, [effective] July 6 and Sept. 8, 1966. [1966.] [16] p. 4° [Incorporates Amendments 145-6 and 145-7.] †
- 14615 pt. 149. Parachute lofts, Change 1: [effective] July 1966. [1966.] [6] p. 4° [Incorporates Amendment 149-1.] †
- 14616 pt. 157. Notice of construction, alteration, activation, and deactivation of airports. Revised Mar. 2, 1966. [1966.] cover title, [6] p. 4° \* Paper, 15c.
- 14617 pt. 183. Representatives of administrator, Change 1, [effective] July 6, 1966. [1966.] [7] p. 4° [Incorporates Amendment 183-1.] †
- 14618 Status of Federal aviation regulations. July 1, 1966. 2+[1] p. 4° †  
FAA 1.18: 966-3

### FEDERAL COMMUNICATIONS COMMISSION Washington, D.C. 20554

- 14619 Rules and regulations, v. 2, May 1966. [1966.] cover title, 116 p. 4° [Issued in looseleaf form. Supersedes Jan. 1964 edition.] \* Paper, \$2.00 (including basic volume and supplementary material for an indefinite period); 75c. additional for foreign mailing. ● Item 287  
L.C. card 60-61384 CC 1.6/2: 966  
Includes—Part 2, Frequency allocations radio treaty matters, general rules and regulations.—Part 15, Radio frequency devices.—Part 18, Industrial, scientific, and medical equipment.
- 14620 Statistics of principal domestic and overseas telegraph carriers reporting annually to Commission, as at Dec. 31, 1965 and for year then ended. [1966.] [4] leaves f°, folded into oblong 12° †  
L.C. card 56-60371 CC 1.41: 965
- 14621 Statistics of telephone carriers reporting annually to Commission as at Dec. 31, 1965 and for year then ended. [1966.] [4] leaves narrow f°, folded into oblong 12° † CC 1.14/2: 965

### FEDERAL CREDIT UNIONS BUREAU, Health, Education, and Welfare Dept., Washington, D.C. 20201

- 14622 Federal credit union program, 1965 annual report [31st anniversary]. [1966.] viii+88 p. il. 4° (FCU-561.) † ● Item 525 FS 3.301: 965

### FEDERAL DEPOSIT INSURANCE CORPORATION Washington, D.C. 20429

- 14623 Control of time and savings deposits, address by K. A. Randall, chairman, Federal Deposit Insurance Corporation, Washington, D.C., before Southwestern Graduate School of Banking, Southern Methodist University, Dallas, Tex., July 27, 1966. [1966.] [1]+15 leaves, 4° †  
Y 3.F 31/8: 10 R 15

#### Report of call.

- 14624 74. Assets, liabilities, and capital accounts, commercial and mutual savings banks, Dec. 31, 1965. [1966.] cover title, 42 p. oblong 8° [Call no. 73, Oct. 13, 1965, not tabulated for all banks.] † Y 3.F 31/8: 9/73

‡For Sale by Clearinghouse, U.S. Department of  
Commerce, Springfield, Va. 22151

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FEDERAL EXTENSION SERVICE, Agriculture Dept.  
Washington, D.C. 20250

- 14625 Directory of publications available on foreign trade and markets; compiled by Dana G. Dalrymple. June 1966. [4]+9 p. 4° (Mimeo D-22; [MUS-60(5/66)].) †  
L.C. card 66-62555 A 43.34/2: F 76
- 14626 How extension spends its time and with whom. [Feb. 1966.] [2] p. il. oblong 8°, folded into narrow 8° †  
A 43.21: Ex 8/3

FEDERAL HOME LOAN BANK BOARD  
Washington, D.C. 20552

- 14627 FSLIC-insured savings and loan associations average annual dividend rates paid, Dec. 31, 1965. [Mar. 1966.] [4] p. 4° ([Operating Analysis Division.]) †  
FHL 1.21: 965
- 14268 Nonfarm mortgage investments of life insurance companies, 1965. [July 1966.] cover title, 8 p. il. ([Operating Analysis Division, Data Processing.]) †  
L.C. card 51-16791 FHL 1.18: 965

FEDERAL HOUSING ADMINISTRATION, Housing and Urban  
Development Dept., Washington, D.C. 20411

- 14629 FHA financing for home purchases and home improvements. Revised May 1966. [1966.] [12] p. il. narrow 8° (FHA 428; Consumer bulletin.) \* Paper, 10c. ● Item 589-A HH 2.6/6: H 75/3/966
- 14630 FHA value-costs and maximum mortgage amounts for 1-, 2-, 3-, and 4-family residences, specified statutory or administrative limits for: sec. 203(b) Occupant and nonoccupant mortgagors; sec. 203(b) Veteran occupant mortgagors; sec. 220(d) (3) (A) Urban renewal areas [areas]; sec. 222, Servicemen occupant mortgagors, pts. 1-5. [1966.] [63] p. 4° (FHA 426, revised June 1966.) † ● Item 589 HH 2.2: M 84/4/966
- 14631 Land-use intensity standards, LUI scale and zoning, [by] Byron R. Hanke, chief land planner, Federal Housing Administration. [1966.] 24 p. il. 4° [Paper presented at 1965-66 conferences of American Institute of Planners, American Society of Civil Engineers, American Society of Planning Officials, California League of Cities and National Association of Home Builders. Issued with perforations.] † ● Item 589 HH 2.2: L 22
- 14632 [Minimum property standards for 1 and 2 living units], interim revision 31. June 1966. [1]+6+[1] p. il. 4° [Issued in looseleaf form.] †  
● Item 593 HH 2.17/4: 965/rev. pages

FEDERAL MARITIME COMMISSION  
Washington, D.C. 20573

- FMC-SP (series). † FMC 1.9: (nos.)
- 14633 66-13. Terminals, foreign trade and Federal Maritime Commission, appraisal, address by John Harlee, chairman of Federal Maritime Commission, before annual convention of American Association of Port Authorities, Detroit, Mich., Sept. 14, 1966. [1966.] 5 p. 4°
- 14634 66-15. Legal barriers, if any, inhibiting realization of intermodal coordinated transportation of cargo moving in ocean foreign commerce of United States, remarks of Edward Schmeltzer at 1966 annual convention of Federal Bar Association, Counsel for Transportation and Communication Law, Sept. 9, 1966. [1966.] 4 p. 4°

FEDERAL MEDIATION AND CONCILIATION SERVICE  
Washington, D.C. 20427

- 14635 Federal Mediation and Conciliation Service, 18th annual report, fiscal year 1965. 1966. vi+85 p. il. \* Paper, 40c. ● Item 433  
L.C. card 49-45739 FM 1.1: 965

\*For Sale by Superintendent of Documents  
†Distribution Made by Issuing Office  
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**FEDERAL REGISTER OFFICE, General Services Administration  
Washington, D.C. 20408**

Code of Federal regulations and Cumulative pocket supplements.

NOTE.—For the convenience of those who maintain complete sets of the Code of Federal regulations, arrangements have been made to supply the 1965 pocket supplements for use during 1966 and any completely revised volumes issued in 1966 on a subscription basis at \$100.00 a year, \$30.00 additional for foreign mailing. The revised volumes and supplements will be mailed as printed and all subscribers will receive expiration notices in ample time to renew their subscriptions, thus avoiding loss of continuity. The Superintendent of Documents will continue to make available the revised volumes and individual supplements for those who do not maintain complete sets.

- 14636 Code of Federal regulations: title 1 [General provisions], title 2 [Congress], title 3 [the President], revised as of Jan. 1, 1966. [1966.] viii+611 p. [Contains codification of documents of general applicability and future effect as of Jan. 1, 1966, with ancillaries.] \* Paper, \$1.75. ● Item 572  
L.C. card 49-46198 GS 4.108: 1-3/966

**FEDERAL RESERVE SYSTEM BOARD OF GOVERNORS  
Washington, D.C. 20551**

- 14637 Monetary policy and allocation of commercial bank credit, remarks by Andrew F. Brimmer, member, Board of Governors of Federal Reserve System, before Vermont-New Hampshire School of Banking, Amos Tuck School of Business Administration, Dartmouth College, Hanover, N.H., Sept. 11, 1966. [1966.] [1]+21 leaves, 4° † FR 1.23: B 77/4
- 14638 Recent credit and monetary developments. [1966.] [1]+937-949 p. il. 4° [Reprinted from Federal Reserve bulletin, July 1966.] †  
FR 1.3/a: C 86/22
- Regulation (series). †
- 14639 D. [Reserves of member banks], supplement, effective as to member bank in reserve cities Sept. 8, 1966, and as to all other member banks Sept. 16, 1966. [1966.] 1 p. FR 1.6: D 962/supp.-4
- 14640 Q. Payment of interest on deposits, amendment, effective July 20, 1966. [1966.] 1 p. FR 1.6: 937/Q/amdt. 8
- 14641 Q. Maximum rates of interest payable on time and savings deposits by member banks, supplement to regulation Q, sec. 217.6, effective July 20, 1966. [1966.] 1 p. FR 1.6: 937/Q/supp. 7
- 14642 R. Relationships with dealers in securities under sec. 32 of Banking act of 1933, as amended effective July 11, 1966. [1966.] [2]+5 p. [Title 12, Code of Federal regulations, pt. 218.] FR 1.6: R/966-3

**FEDERAL SUPPLY SERVICE, General Services Administration  
Washington, D.C. 20405**

- 14643 Federal specifications. ● Item 563 GS 2.8:

NOTE.—These specifications are now so completely covered by the Index of Federal specifications standards, and handbooks with cumulative monthly supplements, that listing in the Monthly Catalog of United States Government Publications represents unnecessary and wasteful duplication of effort. For that reason they will no longer be listed.

Complete information on the Index of Federal specifications will be found in the Appendix to the February 1966 issue of the Monthly Catalog under Entry number 3052 and in the May 1966 issue under Entry number 7426.

Federal standards. [Issued with perforations.] ● Item 563

NOTE.—Federal standards may be purchased from the General Services Administration, Business Service Center, Region 3, 7th and D Streets SW., Washington, D.C. 20407. *All checks and money orders should be made payable to the Treasurer of the United States.* Single copies are available without charge at the nearest GSA regional office.

- 14644 22e. Customer, wearing apparel, wood (general office); May 24, 1966. 1966. 1 p. 4° (FSC 7195.) [AA-C-556, issued in effect. Supersedes Fed. std. 22d, Apr. 2, 1965.] † Paper, 5c. GS 2.8/3: 22e

Federal test method standards. [Issued in looseleaf form.] ● Item 563

NOTE.—Federal test method standards may be purchased from the General Services Administration, Specifications Activity, Printed Materials Supply Division, Building 197, Naval Weapons Plant, Washington, D.C. 20407. *All checks and money orders should be made payable to the Treasurer of the United States.* Single copies are available without charge at the nearest GSA regional office.

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Commerce, Springfield, Va. 22151

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# GOVERNMENT PUBLICATIONS

## Federal test method standards—Continued

- 14645 501a. Floor coverings, resilient, nontextile: Sampling and testing; June 15, 1966. [1966.] cover title, [187] p. il. 4° [Supersedes Int. Fed. test method std. 00501, Mar. 12, 1963.] † Paper, \$1.00. GS 2.8/7: 501a
- 14646 General stores stock catalog: Oct. 1966 supplement to Jan. 1966 hand tool section. [1966.] [2]+13 p. 4°. \* Paper, 10c. ● Item 565-B  
GS 2.10/2-2: 966/supp.-3

## FEDERAL TRADE COMMISSION Washington, D.C. 20580

- 14647 Tire advertising and labeling guides, adopted July 5, 1966 (except guide 15, adopted Mar. 3, 1966.) [1966.] [2]+17 p. (FTC IL 4299 rev.) †  
FT 1.8/2: T 51

## FEDERAL WATER POLLUTION CONTROL ADMINISTRATION, Interior Dept., Washington, D.C. 20242

NOTE.—The Federal Water Pollution Control Administration was transferred from the Department of Health, Education, and Welfare to the Department of the Interior by Reorganization Plan no. 2 of 1966, effective May 10, 1966.

- 14648 Selected summaries of water research. May 1966. 6 p. 4° (Basic and Applied Sciences Program, Cincinnati Water Research Laboratory, Cincinnati, Ohio.) †  
I 67.12: 966/1
- 14649 Southeastern comprehensive project for water pollution control. [June 1966.] [2]+12+[1] p. il. narrow 8° ([WP-14.]) † ● Item 473-A-1  
I 67.2: So 8

## FISH AND WILDLIFE SERVICE, Interior Dept. Washington, D.C. 20240

- 14650 American eagles and their economic status, 1964 [with lists of literature cited; by] E. R. Kalmbach, Ralph H. Imler, and Lee W. Arnold. [1966.] cover title, [6]+51+[2]+35 p. il. (Bureau of Sport Fisheries and Wildlife.) [Comprising introduction, Recent changes in status of American eagles, by John W. Aldrich, and reprints of 2 reports, Bald eagle and its economic status, by Ralph H. Imler and E. R. Kalmbach, Circular 30, 1955, and Golden eagle and its economic status, by Lee W. Arnold, Circular 27, 1954.] †  
L.C. card 66-62548 I 49.2: Ea 3/2

### Circular.

- 14651 247. Annual report of Bureau of Commercial Fisheries Biological Laboratory, Gulf Breeze, Fla., fiscal year, 1965. May 1966. iii+15 p. il. 4° (Bureau of Commercial Fisheries.) † ● Item 609 I 49.4: 247

### Fish disease leaflet FDL—(series).

- 14652 5. Parasites of freshwater fishes: 4, Miscellaneous, 6, Parasites of catfishes [with annotated bibliography]; by Fred P. Meyer. Mar. 1966. 7 p. il. 4° (Bureau of Sport Fisheries and Wildlife.) † I 49.28/3: 5

### Fishery leaflets. (Bureau of Commercial Fisheries.) † I 49.28: (nos.)

- 14653 583. Plankton [with list of references]; by Louella E. Cable. July 1966. iii+13 p. il. 4° ● Item 611-D
- 14654 589. Shrimp and shrimp fishery of southern United States [with list of publications containing further information; by William W. Anderson]. [Revised Jan. 1966.] [1966.] cover title, 8 p. il. 4°
- 14655 591. Fishery motion pictures. [1966.] cover title, 24 p. il. oblong 32° [Text on p. 2 of cover.]

### Fishery market development series. (Bureau of Commercial Fisheries.)

- 14656 1. Florida fish recipes. [June 1966.] cover title, 16 p. il. [Prepared in cooperation with Florida Board of Conservation and Southeastern Fisheries Association, Inc. Text and other illustrations on p. 1-4 of cover. Some of the illustrations are colored.] \* Paper, 35c. ● Item 611-F I 49.49/2: 1

### Refuge leaflets. (Bureau of Sport Fisheries and Wildlife.) †

I 49.44: (nos.)

- 14657 2. Bear River Migratory Bird Refuge. [1952, last revised 1966.] [1966.] 4 p. il. 4°

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†Distribution Made by Issuing Office  
‡Official Use. Not Available

- 14658 25. Aransas National Wildlife Refuge, Austwell, Tex. [Revision 2.] [June 1966.] [6] p. il. 4°
- 14659 49. Mingo National Wildlife Refuge. [Dec. 1959, revised May 1966.] [1966.] [1966.] 4 p. il. 4°
- 14660 51. Santa Ana National Wildlife Refuge. [Jan. 1960, revised May 1966.] [1966.] 4 p. il. 4°
- 14661 61. Rice Lake National Wildlife Refuge. [Mar. 1960, revised Apr. 1966.] [1966.] 4 p. il. 4°
- 14662 112. Birds of Havasu Lake National Wildlife Refuge. [Revision 3.] [July 1966.] 4 p. 4°
- 14663 120. Birds of Santee National Wildlife Refuge. [Revision 2.] [July 1966.] 4 p. 4°
- 14664 125. Birds of Laguna Atascosa National Wildlife Refuge. [Aug. 1954, revised May 1966.] [1966.] 4 p. 4°
- 14665 139. Birds of Bear River Migratory Bird Refuge. [Mar. 1955, revised Mar. 1966.] [1966.] 4 p. 4°
- 14666 174. Birds of Great Meadows National Wildlife Refuge. [Revision 2.] [July 1966.] 3 p. 4°
- 14667 189. Birds of Swan Lake National Wildlife Refuge. [Nov. 1957, revised Mar. 1966.] [1966.] 4 p. 4°
- 14668 216. Birds of William L. Finley National Wildlife Refuge. [June 1966.] 4 p. 4°
- 14669 524. Harris Neck National Wildlife Refuge. [May 1966.] 4 p. il. 4°
- 14670 525. Lake Woodruff National Wildlife Refuge. [May 1966.] [2] p. il. 4°
- 14671 527. Farallon National Wildlife Refuge. [June 1966.] [2] p. il. 4°
- 14672 528. Red Rock Lakes National Wildlife Refuge. [June 1966.] 4 p. il. 4°

## Regulatory announcement.

- 14673 76. Federal regulations governing hunting, possession, transportation, importation of mourning and white-winged doves, wild pigeons, ralls, gallinules, woodcock, and Wilson's snipe, and of waterfowl, coots, and cranes in Alaska, 1966-67. Aug. 1966. 16 p. (Bureau of Sport Fisheries and Wildlife.) † ● Item 613 I 49.24: 76

## Resource publication. ● Item 613-B

- 14674 13-15. Investigations in fish control: 9, Relation of chemical structure to fish toxicity in nitrosalicylanilides and related compounds [with list of literature cited], by Charles R. Walker, Roland J. Starkey and Leif L. Marking; 10, Evaluation of p,p'-DDT as reference toxicant in bioassays [with list of literature cited], by Leif L. Marking; 11, Evaluation of electronic method of measuring hematocrits of fish [with list of literature cited], by Richard A. Schoettger and Arnold M. Julin. Feb. 1966. [11+12+10+11 p. il. 4° (Bureau of Sport Fisheries and Wildlife.) † I 49.66: 13-15

## Special scientific report: Fisheries (series). (Bureau of Commercial Fisheries.)

- 14675 531. Length-weight relation of summer flounder *Paralichthys dentatus* (Linnaeus) [with list of literature cited]; by Fred E. Lux and L. R. Porter, jr. June 1966. iii+5 p. il. 4° † ● Item 614-B I 49.15/2: 531

## — Wildlife (series). (Bureau of Sport Fisheries and Wildlife.) † I 49.15/3: (nos.)

- 14676 94. Birds of Isle Royale in Lake Superior [with list of references]; by Laurits W. Krefling [and others]. June 1966. vi+56 p. il. 4°
- 14677 97. Selected bibliography on red-winged blackbird, life history, economic status, banding, and control; by Brooke Meanley and Roberts T. Mitchell. June 1966. [21+12 p. 4°

## Statistical digest.

- 14678 58. Fishery statistics of United States, 1964 [with list of statistical publications]; by Charles H. Lyles. 1966. [2]+541 p. il. 4° (Bureau of Commercial Fisheries.) \* Paper, \$2.50. ● Item 615 I 49.32: 58  
L.C. card 42-38120

## Technical paper. ● Item 615-A

- 14679 5. Ecology of Gila trout in main Diamond Creek in New Mexico [with list of references]; by Danny M. Regan. Jan. 1966. 24 p. il. 4° (Bureau of Sport Fisheries and Wildlife.) † I 49.68: 5  
L.C. card 66-62468

## Wildlife leaflet.

- 14680 472. Birds protected by Federal law; compiled [by] Division of Management and Enforcement. May 1966. 4 p. 4° (Bureau of Sport Fisheries and Wildlife.) [Supersedes WL 469, July 1965.] \* Paper, 5c. ● Item 616-B I 49.13: 472

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Commerce, Springfield, Va. 22151

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## GOVERNMENT PUBLICATIONS

### FLIGHT STANDARDS SERVICE, Federal Aviation Agency Washington, D.C. 20553

- 14681 Denalt performance computer to find expected rate of climb [and] takeoff distance, use with fixed pitch propeller airplanes. [1966.] ([Operations Division, Safety education series no. 8.]) [Consists of 2 circular plastic cards, 4 in. in diameter, attached to central rivet on which they revolve.] \* 50c. FAA 5.8/2: C 73
- 14682 — use with variable pitch propeller airplanes. [1966.] ([Operations Division, Safety education series no. 8.]) [Consists of 2 circular plastic cards, 4 in. in diameter, attached to central rivet on which they revolve.] \* 50c. FAA 5.8/2: C 73/2
- 14683 Flight test guide: Gyroplane commercial pilot. Revised 1966. [1966.] iv+10 p. narrow 16° ([AC 61-30].) \* Paper, 15c. ● Item 431-F-3  
FAA 5.8/2: G 99/2/966
- 14684 Practice guide for decontaminating aircraft [effective 1966]. [1966.] cover title, [3]+ii+22 p. il. 4° (AC 20-48). † Federal Aviation Agency, Printing Branch, HQ-438, Washington, D.C. 20553. ● Item 431-F-3  
FAA 5.8/2: D 35

### FOOD AND DRUG ADMINISTRATION, Health, Education, and Welfare Dept., Washington, D.C. 20201

- 14685 FDA report on oral contraceptives [with bibliographies]; by Advisory Committee on Obstetrics and Gynecology. Aug. 1, 1966. cover title, iii+104 p. 4° \* Paper, 55c. ● Item 475  
L.C. card 66-62371 FS 13.102: C 76/2

### FOREIGN BROADCAST INFORMATION SERVICE

- 14686 Broadcasting stations of the world [corrected to] June 1, 1966: pt. 1, Amplitude modulation broadcasting stations according to country and city. [20th edition.] [1966.] cover title, [1]+iii+410+x p. 4° [Includes world time chart.] \* Paper, \$2.25. ● Item 856-B  
L.C. card 47-32798 PrEx 7.9: 966/pt.1
- 14687 — pt. 2, Amplitude modulation broadcasting stations, according to frequency. [20th edition.] [1966.] cover title, [1]+iii+404+x p. 4° \* Paper, \$2.25. ● Item 856-B  
L.C. card 47-32798 PrEx 7.9: 966/pt.2
- 14688 — pt. 3, Frequency modulation broadcasting stations. [20th edition.] [1966.] cover title, [1]+iii+142+141 p. 4° \* Paper, \$1.50. ● Item 856-B  
L.C. card 47-32798 PrEx 7.9: 966/pt.3
- 14689 — pt. 4, Television stations. [20th edition.] [1966.] cover title, [1]+iii+xi+217+202 p. 4° \* Paper, \$2.25. ● Item 856-B  
L.C. card 47-32798 PrEx 7.9: 966/pt.4
- 14690 Long live victory of people's war; by Lin Piao. [1966.] [2]+42 p. [Pe-king NCNA International Service in English, 1818 GMT Sept. 2, 1965. Text of article in commemoration of 20th anniversary of victory in Chinese people's war of resistance against Japan.] \* Paper, 25c.  
PrEx 7.2: W 19

### FOREIGN SCHOLARSHIPS BOARD

Operations Staff, c/o Bureau of Educational and Cultural Affairs,  
Department of State Building, Washington, D.C. 20520

NOTE.—The Board of Foreign Scholarships was authorized by the Mutual educational and cultural exchange act of 1961 (Public law 256 of the 87th Congress, 1st session, approved Sept. 21, 1961).

- 14691 Summary of major activities of Board of Foreign Scholarships, Sept. 1965-Aug. 1966 [4th annual report]. [1966.] [7] p. oblong 8° †  
L.C. card 66-62542 Y 3.F 76/4: 1/966

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## FOREIGN-TRADE ZONES BOARD

Washington, D.C. 20230

- 14692 Laws, regulations, and other information relating to foreign-trade zones in United States. Reprinted June 1966 with revisions to general information. v+80 p. \* Paper, 35c. • Item 542  
L.C. card 66-62391 FTZ 1.5: F 76/966

## FOREST SERVICE, Agriculture Dept.

Washington, D.C. 20250

- 14693 Forest fire statistics, [calendar year] 1965; prepared by Division of Cooperative Fire Control. [1966.] ii+30 p. il. 4° †  
L.C. card 53-63341 A 13.32/2: 965
- Forest pest leaflets. † • Item 82-A A 13.52:(nos.)
- 14694 1. Western pine beetle [with one reference]; by F. P. Keen. Revised May 1966. [1966.] 4 p. il.
- 14695 100. Heart rots of balsam fir [with list of references]; by Paul V. Mook. July 1966. 6 p. il.  
L.C. card Agr 66-249
- 14696 102. California 5-spined ips [with list of references]; by G. R. Struble. Aug. 1966. 4 p. il. [Supersedes Forest pest leaflet 4, California 5-spined engraver beetle.]
- 14697 National/timber sale accomplishments for fiscal year 1965. [1966.] [8] p. 4° (S-1129.) †  
L.C. card 65-62582 A 13.58: 965
- 14698 Recent publications of Southeastern Forest Experiment Station, Jan.-June 1966. [1966.] 11 p. 4° † Southeastern Forest Experiment Station, P.O. Box 2570, Asheville, N.C. 28802 A 13.63/13: 966
- Research note INT (series). (Intermountain Forest & Range Experiment Station, Ogden, Utah.)
- 14699 INT-45. Controlling soil movement from steep road fills; [by] Nedavia Bethlahmy and W. Joe Kidd, jr. 1966. 4 p. il. 4° † A 13.79: INT-45
- Research note NC-(series). (North Central Forest Experiment Station, St. Paul, Minn.) † A 13.79: NC-(nos.)
- 14700 NC-1. Silvicultural evaluation of 4 methods of marking 2d-growth northern hardwood stands [with list of literature cited; by Rodney D. Jacobs]. [July 1966.] [4] p. 4° [Issued with perforations.]
- 14701 NC-2. Pulpwood chip production and markets in Lake States; [by Eugene W. Fobes]. [July 1966.] [4] p. il. 4° [Issued with perforations.]
- 14702 NC-3. Lake States pulpwood production hampered by adverse weather and labor shortage, 1965; [by Arthur G. Horn]. [July 1966.] [2] p. 4° [Issued with perforations.]
- 14703 NC-4. Minnesota's aspen and its projected supply; [by Richard W. Groff]. [July 1966.] [4] p. il. 4° [Issued with perforations.]
- 14704 NC-5. Performance of 7 seed sources of spruce in central North Dakota; [by David H. Dawson and Paul O. Rudolf]. [July 1966.] [4] p. il. 4° [Issued with perforations.]
- 14705 NC-6. Growth response of seedling yellow birch to humus-mineral soil mixtures; [by Carl H. Tubbs and Robert R. Oberg]. [July 1966.] [2] p. il. 4° [Issued with perforations.]
- 14706 NC-7. Forest-product imports and exports via Great Lakes-St. Lawrence Seaway through upper lakes ports; [by Eugene M. Carpenter]. [July 1966.] [4] p. il. 4° [Issued with perforations.]
- 14707 NC-8. Firebreak maintenance with soil sterilants; [by James K. Brown]. [July 1966.] [4] p. il. 4° [Issued with perforations.]
- Research note SE-(series). Southeastern Forest Experiment Station, Asheville, N.C.) † A 13.79: SE-(nos.)
- 14708 SE-56. Southern yellow pine log overruns; [by Richard C. Rodenbach]. June 1966. [2] p. 4°
- 14709 SE-57. Obtaining individual eggs from egg-mass-depositing insect; [by A. T. Drooz]. June 1966. [2] p. il. 4°
- 14710 SE-58. Technique for rapid collection of balsam woolly aphid eggs [with list of literature cited; by Thomas R. Gentry and Emmett T. Wilson, jr.]. June 1966. [2] p. 4°
- 14711 SE-59. Soil sampling small wetland forest plots in Coastal Plain; [Cortland E. Young, jr.]. June 1966. [2] p. 4°

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# GOVERNMENT PUBLICATIONS

Research paper INT (series). (Intermountain Forest & Range Experiment Station, Ogden, Utah.) † A 13.78: INT-(nos.)

- 14712 INT-23. Timber management issues on Utah's north slope; [by] S. Blair Hutchison [and others]. 1965. iii+23+[1] p. il. 4° [Text on p. 2 of cover.]
- 14713 INT-26. Prescribed fire planning in Intermountain West; [by] William R. Beaufort. 1966. ii+[1]+27 p. il. 4° [Text on p. 2 of cover. Abstract cards inserted.]

Research paper NC-(series). (North Central Forest Experiment Station.) † A 13.78: NC-(nos.)

- 14714 NC-4. Effect of initial moisture content on performance of hardwood pallets [with list of literature cited; by] Daniel E. Dunmire. June 1966. cover title, 12 p. il. 4° [Text on p. 2 of cover. Abstract cards inserted.]
- 14715 NC-5. Forest genetics and related research at Lake States Forest Experiment Station, annotated bibliography 1924-65; compiled by Paul O. Rudolf. June 1966. cover title, 35 p. 4° [Text on p. 2 of cover. Abstract cards inserted.]
- 14716 NC-6. Joint proceedings, 2d Genetics Workshop of Society of American Foresters and 7th Lake States Forest Tree Improvement Conference, Oct. 21-23, 1965 [with lists of literature cited; edited by L. P. Olsen]. July 1966. cover title, ii+110+[1] p. il. 4° [Text on p. 2 of cover.]

Resource bulletin CS-(series). (Central States Forest Experiment Station, Columbus, Ohio.) † A 13.80: CS-(nos.)

- 14717 CS-6. Kentucky forests, Pennyroyal Unit; [by] David A. Gansner, Paul S. DeBald. Mar. 1966. [2]+46 p. il. 4° [Prepared in cooperation with Division of Forestry, Kentucky Department of Natural Resources. Text on p. 2-3 of cover.] L.C. card 66-62561
- 14718 CS-7. Kentucky forests, Blue Grass Unit; [by] David A. Gansner, Paul S. DeBald. Mar. 1966. [2]+33 p. il. 4° [Prepared in cooperation with Division of Forestry, Kentucky Department of Natural Resources. Text on p. 2-3 of cover.] L.C. card 66-62562
- 14719 CS-8. Kentucky forests, Western Unit; [by] David A. Gansner, Paul S. DeBald. Mar. 1966. [2]+34 p. il. 4° [Prepared in cooperation with Division of Forestry, Kentucky Department of Natural Resources. Text on p. 2-3 of cover.] L.C. card 66-62563
- 14720 CS-9. Kentucky forests, Western Coalfield Unit; [by] Paul S. DeBald, David A. Gansner. Mar. 1966. [2]+45 p. il. 4° [Prepared in cooperation with Division of Forestry, Kentucky Department of Natural Resources. Text on p. 2-3 of cover.] L.C. card 66-62560

## GENERAL ACCOUNTING OFFICE

Washington, D.C. 20548

- 14721 Report to Congress of United States: Audit of Federal Home Loan Bank Board for year ended Dec. 31, 1965; by Comptroller General of United States. Aug. 1966. cover title, [2] leaves +16 p. 4° † Paper, \$1.00. L.C. card 66-62556 GA 1.13: F 31/7/965
- 14722 — Examination of financial statements of Federal home loan banks supervised by Federal Home Loan Bank Board for year ended Dec. 31, 1965; by Comptroller General of United States. Aug. 1966. cover title, [5] leaves +13 p. 4° † Paper, \$1.00. L.C. card 66-62274 GA 1.13: F 31/18
- 14723 — Examination of financial statements of Government Printing Office, fiscal year 1965; by Comptroller General of United States. Aug. 1966. cover title, [12]+12 p. 4° † Paper, \$1.00. L.C. card 66-60575 GA 1.13: G 74/965
- 14724 — Examination of financial statements of Saint Lawrence Seaway Development Corporation, calendar year 1965, Department of Commerce; by Comptroller General of United States. Aug. 1966. cover title, [5]+11 p. 4° † Paper, \$1.00. L.C. card 66-62556 GA 1.13: Sa 2/4/965

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- 14725 — Management of selected time compliance technical orders requiring modifications to engines for F-100 aircraft, Department of Air Force; by Comptroller General of United States. Aug. 1966. [5]+33 leaves, 4° † Paper, \$1.00.  
L.C. card 66-62264 GA 1.13: En 3/11
- 14726 — Need for interservice action when management policies and practices differ for similar supply items, Department of Defense; by Comptroller General of United States. Aug. 1966. cover title, [3] leaves+21 p. 4° † Paper, \$1.00.  
L.C. card 66-62265 GA 1.13: Su 7/19
- 14727 — Need to establish fees for furnishing abstracts of medical records and related services to private parties, Public Health Service, Department of Health, Education, and Welfare; by Comptroller General of United States. Aug. 1966. cover title, [4] leaves+19 p. 4° † Paper, \$1.00.  
L.C. card 66-62266 GA 1.13: M 46/9
- 14728 — Possible dollar savings through expanded use of foreign currencies to transport personal effects abroad, Department of State and other Government agencies; by Comptroller General of United States. Aug. 1966. cover title, [4] leaves+24 p. 4° † Paper, \$1.00.  
L.C. card 66-62267 GA 1.13: C 93/4
- 14729 — Possible savings by discontinuing purchase of public liability insurance covering acquired property, Federal Housing Administration, Department of Housing and Urban Development; by Comptroller General of United States. Aug. 1966. cover title, [3] leaves+17 p. 4° † Paper, \$1.00.  
L.C. card 66-62268 GA 1.13: L 61
- 14730 — Potential reductions in cost of automotive travel by Federal employees where use of Government-owned vehicles is feasible; by Comptroller General of United States. Aug. 1966. [4]+32 leaves, 4° † Paper, \$1.00.  
L.C. card 66-62269 GA 1.13: Au 8/29
- 14731 — Potential savings through improved utilization of space available on administrative military aircraft, Department of Air Force; by Comptroller General of United States. Sept. 1966. cover title, [3] leaves+22 p. 4° † Paper, \$1.00.  
L.C. card 66-62353 GA 1.13: Ai 7/78
- 14732 — Potential savings through improvement in management of materials handling equipment and commercial-design trucks, Marine Corps, Department of Navy; by Comptroller General of United States. Sept. 1966. cover title, [3] leaves+30 p. 4° † Paper, \$1.00.  
L.C. card 66-62470 GA 1.13: M 41/6
- 14733 — Review of change orders and other matters relating to construction of District of Columbia stadium, District of Columbia Armory Board; by Comptroller General of United States. Aug. 1966. cover title, [6]+94 leaves, 4° † Paper, \$1.00.  
L.C. card 66-62322 GA 1.13: D 63/12
- 14734 — Review of charges for diversion of overseas household goods shipments at points in continental United States, Department of Defense; by Comptroller General of United States. Aug. 1966. [5]+32 leaves, 4° † Paper, \$1.00.  
L.C. card 66-62299 GA 1.13: H 81/35
- 14735 — Review of charges for Government-owned quarters at Mount Edgecumbe, Alaska, Public Health Service, Department of Health, Education, and Welfare; by Comptroller General of United States. Aug. 1966. [5]+29 leaves, 4° † Paper, \$1.00.  
L.C. card 66-62300 GA 1.13: Al 1s/5

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# GOVERNMENT PUBLICATIONS

- 14736 Report to Congress of United States: Review of maintenance of combat vehicles, Department of Army; by Comptroller General of United States. Sept. 1966. cover title, [4] leaves+37 p. il. 4° † Paper, \$1.00.  
L.C. card 66-62471 GA 1.13: C 73/21
- 14737 — Review of precautions taken to protect commercial dollar sales of agricultural commodities to foreign countries purchasing same type commodities for foreign currencies under Public law 480, Department of Agriculture; by Comptroller General of United States. Aug. 1966. [6]+58 leaves, 4° † Paper, \$1.00.  
L.C. card 66-62270 GA 1.13: C 93/5
- 14738 — Review of program for replacement and procurement of motor vehicles, Post Office Department; by Comptroller General of United States. Aug. 1966. cover title, [4] leaves+20 p. 4° † Paper, \$1.00.  
L.C. card 66-62301 GA 1.13: M 85/7
- 14739 — Savings available by using more economical fuels for heating at certain field stations, Veterans Administration; by Comptroller General of United States. Aug. 1966. cover title, [4] leaves+17 p. 4° † Paper, \$1.00.  
L.C. card 66-62272 GA 1.13: F 95/3

## GENERAL SERVICES ADMINISTRATION Washington, D.C. 20465

- 14740 Economic order quantity, principle and applications, GSA handbook. May 1966. [90] p. il. 4° (FMPR 101-27.1; FSN 7610-543-6765.) \* Paper, 50c. ● Item 559-B GS 1.6/6: Ec 7
- 14741 Federal Fire Council films and slides. Aug. 1966. 3 p. 4° (Federal Fire Council. † GS 1.14/5: F 48
- 14742 Fire safety in, on and around construction projects, including take-over period, by Edgar H. Bolles, Assistant Staff Director, Federal Fire Council.) [Talk presented at National Capital Chapter of American Society of Safety Engineers, May 4, 1965.] † GS 1.14/10: B 63

## GEOGRAPHIC NAMES BOARD, Interior Dept. Washington, D.C. 20240

- Gazetteers. ● Item 617 I 33.8: (nos.)
- 14743 97. Thailand, official standard names gazetteer approved by Board on Geographic Names; prepared in Office of Geography. Apr. 1966. [2]+vi+675 p. il. oblong 8° † Limited distribution, Office of Geography, Interior Dept.  
L.C. card 66-62306
- 14744 101. Sierra Leone, official standard names approved by Board on Geographic Names; prepared in Office of Geography. June 1966. [2]+ii+125 p. il. oblong 8° † Limited distribution, Office of Geography, Interior Dept.  
L.C. card 66-62469

## GEOLOGICAL SURVEY, Interior Dept. Washington, D.C. 20405

- 14745 Annual peak discharge at selected gaging stations in Pacific Northwest, 1965-66. Sept. 8, 1966. 2 leaves, oblong 8° (Water Resources Division.) [Provisional, subject to revision. Issued with perforations.] † I 19.45/3: 965-66
- Bulletins. ● Item 620 I 19.3: (nos.)
- 14746 1202-C. Geology and coal resources of Beluga-Yentna region, Alaska [with list of references cited]; by Farrell F. Barnes. 1966. iv+54+[3] p. il. 7 pl. in pocket. [Reconnaissance evaluation of coal resources of northwestern part of Cook Inlet Tertiary basin. Contributions to economic geology. Three plates are colored. Includes title page and contents to Bulletin 1202.] \* Paper, \$2.50.

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- 14747 1230-F. Mineral resources of Sycamore Canyon primitive area, Ariz. [with list of literature cited]; by Lyman C. Huff, Elmer Santos, and R. G. Raabe. 1966. v+19 p. il. 1 pl. in pocket. [Evaluation of mineral potential of area. Studies related to wilderness.] \* Paper, 50c.
- 14748 1232. Bibliography of North American geology, 1962; [by James W. Clarke and others]. 1966. v+834 p. \* Paper, \$2.50.  
L.C. card GS 24-38

## Circulars. †

I 19.4/2: (nos.)

- 14749 529-A. Water quality of Potomac River estuary at Washington, D.C. [with list of references]; by W. H. Durum and W. B. Langbein. 1966. iii+9 p. il. 4°
- 14750 533. Regional trends in water-well drilling in United States [with list of references cited]; by Gerald Meyer and G. G. Wyrick. 1966. iii+8 p. il. 4° ● Item 620-A  
L.C. card GS 66-304
- 14751 534. Gold geochemical anomaly in Cortez district, Nev.; by R. L. Erickson [and others]. 1966. [2]+2+[7] p. il. 4°  
L.C. card GS 66-303

## Professional paper. ● Item 624.

- 14572 523-E. Tinsleya, new genus of seed-bearing callipterid plants from Permian of north-central Texas [with list of references cited]; by Sergius H. Mamay. 1966. iii+15+[5] p. il. 3 pl. 4° [Tinsleya texana, first known example of seed-bearing foliage in family Callipterideae, is described, biotic relationships and evolutionary implications are discussed. Contributions to paleontology. Includes title page and contents to Professional paper 523-E.] \* Paper, 30c. I 19.16: 523-E

- 14753 Water in Flatland, remarks of Raymond L. Nace, Geological Survey, Department of Interior, before International Water Quality Symposium, Montreal, Canada, Aug. 25, 1966. 1966. 19 p. 4° † I 19.50: N 11/2

## Water-supply papers. ● Item 625.

I 19.13: (nos.)

- 14754 1798-B. Fluvial sediment on Little Arkansas River basin, Kans. [with list of selected references]; by C. D. Albert and G. J. Stramel. 1966. v+30 p. il. 2 pl. in pocket. [Prepared in cooperation with city of Wichita and Kansas Water Resources Board. Sedimentation in small drainage basins.] \* Paper, 60c.
- 14755 1823. Sedimentation and chemical quality of surface water in Heart River drainage basin, N. Dak. [with list of literature cited] by M. L. Maderak. 1966. v+42 p. il. 1 pl. in pocket [Prepared as part of program of Department of Interior for development of Missouri River basin.] \* Paper, 55c.  
L.C. card GS 66-242
- 14756 1949. Quality of surface waters of United States, 1963: pts. 5 and 6, Hudson Bay and upper Mississippi River basins, and Missouri River basin [with list of literature cited; prepared by personnel of Water Resources Division]. 1966. x+411 p. il. [Prepared in cooperation with Iowa, Kansas, Minnesota, Missouri, Montana, Nebraska, South Dakota, Wisconsin, and Wyoming and with other agencies.] \* Paper, \$1.50.  
L.C. card GS 43-68

## HEALTH, EDUCATION, AND WELFARE DEPARTMENT

Washington, D.C. 20201

- 14757 Community health planning grants for heart disease, cancer, and stroke; [by George E. Goodman, Coy D. Gainey, and Joe Bales Gaber]. [1966.] cover title, 12 p. il. 4° (Office of Assistant Secretary for Program Coordination.) [Preprint from Health, education, and welfare indicators, Sept. 1966.] \* Paper, 15c. FS 1.20/a: H 351

- 14758 Grants-in-aid and other financial assistance programs administered by Department of Health, Education, and Welfare. 1966 edition. [1966.] xxiv+527 p. 2 tab. 4° (Office of Program Analysis.) [Supplement to Handbook on Programs of Department of Health, Education, and Welfare.] \* Paper, \$3.50. ● Item 445-A  
L.C. card HEW 61-56 FS 1.6/6: 966

- 14759 Job development and training for workers in health services; [by Charles W. Phillips, Harvey I. Scudder, and Lucy M. Kramer]. [1966.] cover title, 12 p. il. 4° (Office of Assistant Secretary for Program Coordination.) [Reprint from Health, education, and welfare indicators, Aug. 1966.] \* Paper, 15c. FS 1.20/a: J 575

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- 14759A Training health service workers, critical challenge, proceedings of Conference on Job Development and Training for Workers Health Services, sponsored by Department of Labor and Department of Health, Education, and Welfare, Washington, D.C. Feb. 14-17, 1966 [with list of selected reference material; prepared by Lucy M. Kramer, assisted by Marguerite Waxler and Nancy Lindsay]. [1966.] v+102 p. il. 4° [Issued from Office of Assistant Secretary for Education, Health, Education, and Welfare Dept., and Manpower Administration, Labor Dept. Text on p. 2 of cover. Errata sheet, 1 p. large 8°, issued also.] \* Paper, 60c. ● Item 445  
L.C. card 66-62438

FS 1.2: H 34/9 &amp; errata

### HOUSING AND URBAN DEVELOPMENT DEPARTMENT Washington, D.C. 20410

- 14760 Demonstration cities program, why it is needed, what it is, how it could work in a city of 1,000,000; 100,000; 10,000. [1966.] [1]+15 p. 4° †  
● Item 582  
L.C. card 66-62553 HH 1.2: D 39
- 14761 Urban planning assistance program, project directory, sec. 701, title 7, Housing act of 1954, as amended. Dec. 31, 1965. cover title, 123 p. 4° [Table of contents on p. 2 of cover.] †  
L.C. card 62-64888 HH 1.26: 965

### IMMIGRATION AND NATURALIZATION SERVICE, Justice Dept. Washington, D.C. 20536

- 14762 Supplemental index 2 to v. 10 of Administrative decisions under immigration and nationality laws of United States [for Interim decisions nos. 1418-1590]. July 1, 1966. [1]+8 p. \* Paper, 10c. J 21.11/3: 10/ind. 2

### INDIAN AFFAIRS BUREAU, Interior Dept. Washington, D.C. 20240

- 14763 Indians of the Dakotas. [1966.] cover title, 20 p. il. oblong 24° [Text on p. 2 and 3 of cover.] \* Paper, 15c. ● Item 627-A  
L.C. card 66-62392 I 20.51: D 14
- 14764 Indians of Gulf Coast States. [1966.] cover title, 20 p. il. oblong 24° [Text on p. 2-3 of cover.] \* Paper, 15c. ● Item 627-A  
L.C. card 66-62392 I 20.51: G 95
- 14765 Indians of Montana [&] Wyoming. [1966.] cover title, 20 p. il. oblong 24° \* Paper, 15c. ● Item 627-A  
L.C. card 66-62392 I 20.51: M 76
- 14766 Indians of New Mexico. [1966.] cover title, 20 p. il. oblong 24° \* Paper, 15c. ● Item 627-A  
L.C. card 66-62392 I 20.51: N 42m
- 14767 Indians of the Northwest. [1966.] cover title, 16 p. il. oblong 24° [Text on p. 2 of cover.] \* Paper, 15c. ● Item 627-A  
L.C. card 66-62392 I 20.51: N 819

### INTERIOR DEPARTMENT Washington, D.C. 20240

- 14768 Excerpts of remarks by Secretary of Interior Stewart L. Udall during Massachusetts water pollution inspection trip, Sept. 6, 1966. 1966. 2+[1] leaves, 4° †  
I 1.68: Ud 1/39
- 14769 Remarks by J. Cordell Moore, Assistant Secretary, Mineral Resources, Department of Interior, before American Petroleum Institute, Petroleum Statistics Liaison Group, Hershey, Pa., Sept. 8, 1966. [1966.] 6 leaves, 4° †  
I 1.68: M 78/7

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[Saline water] research and development progress report. (Office of Saline Water.) ● Item 604-A-1 I 1.88: (nos.)

- 14770 194. Solar distillation utilizing multiple-effect humidification [with list of notes and references]; by Carl N. Hodges [and others]. May 1966. [4]+ix+159 p. il. 4° ([University of Arizona, Tucson, Ariz.; contract no. 14-01-0001-247.]) \* Paper, \$1.00 L.C. card 66-61832
- 14771 196. Diffusion of electrolytes, principles and practice of diaphragm diffusion technique [with lists of references]; by George J. Janz and George E. Mayor, Rensselaer Polytechnic Institute, Troy, N.Y. Sept. 1966. [3]+46 p. il. 4° ([Contract 14-01-0001-422.]) \* Paper, 35c. L.C. card 66-62529
- 14772 198. Analysis data correlation and optimization of vapor reheat liquid-liquid heat exchange process [final report, with list of references]; by [John C. Orcutt, Forest O. Mixon, and Donald R. Whitaker], Research Triangle Institute, Durham, N.C. Sept. 1966. [6]+vii+61+[19] p. il. 4° ([Contract 14-01-0001-428.]) \* Paper, 50c.
- 14773 201. Pilot plant study to provide improved quality feed water for Webster, S. Dak., electrolysis plant; by G. R. Bell, Johns-Manville Products Corporation, Research and Engineering Center, Manville, N.J. Aug. 1966. [5]+26+[4] p. il. 4° ([Contract 14-01-0001-616.]) \* Paper, 25c.
- 14774 206. Solute and water transport across biologic membranes [with list of references]; by Neal S. Bricker, Sept. 1966. [2]+28 p. il. 4° \* Paper, 25c. L.C. card 66-62528

### INTERNAL REVENUE SERVICE, Treasury Dept. Washington, D.C. 20224

- 14775 Gasoline, lubricating oil, diesel and special motor fuels, farmers gas tax credit. [1966.] 18 p. il. oblong 32° (Publication 308 (rev. 5-66).) †  
● Item 961 T 22.19: G 21/966
- 14776 Looseleaf regulations system: Service 1, Income tax, transmittal 84. June 17, 1966. [108] p. 4° ● Item 961 T 22.19/3: 1/trans. 84
- NOTE.—Service 1 consists of pts. 1, 2, 19, and 152 of title 26 of Code of Federal regulations. It is sold on a subscription basis by the Superintendent of Documents, \$16.00 (including basic material and supplements issued irregularly for approximately 3 years); \$4.00 additional for foreign mailing.
- 14777 — Service 3, Employment tax, transmittal 16. June 3, 1966. [8] p. 4°  
● Item 961 T 22.19/3: 3/trans. 16
- NOTE.—Service 3 consists of pts. 31 and 36 of title 26 of Code of Federal regulations. It is sold on a subscription basis by the Superintendent of Documents, \$2.75 (including basic material and supplements issued irregularly for approximately 3 years); 75c. additional for foreign mailing.
- 14778 National firearms act and Federal firearms act. [Revised Apr. 1966.] [1966.] [2]+13 p. narrow 12° (Publication 364.) † ● Item 961-A  
T 22.32: F 51/966
- 14779 Pension trust procedures and guides for qualification under sec. 401(a) and 405(a) of Internal revenue code of 1954. [1966.] cover title, iii+92 p. (Publication 377 (rev. 3-66).) \* Paper, 35c. ● Item 961  
T 22.19: P 38/2/966

### INTERNATIONAL COMMERCE BUREAU, Commerce Dept. Washington, D.C. 20230

- 14780 Dynamics of exporting, address by E. E. Schnellbacker, Assistant Director, Bureau of International Commerce, prepared for delivery to Milwaukee Trade Club, Milwaukee, Wis., Sept. 1, 1966. [1966.] 14 p. 4° †  
C 42.18: Sch 5/16
- 14781 Report from Volunteer unit, executives march ahead, Ghana request shows progress being made by international corps from U.S. business; by Terrance Lindemann. [1966.] [2] p. il. 4° [Reprinted from International commerce, Aug. 1, 1966.] †  
C 42.8/a: Ex 31
- 14782 Semiannual checklist, Bureau of International Commerce, international business publications. July 1966. 28 p. il. 4° † ● Item 321-D  
C 42.15: C 41/966
- 14783 U.S. trade centers, Frankfurt, London, Milan, Stockholm, Bangkok, Tokyo. [Aug. 1966.] 6 p. il. 4° † ● Item 231-A  
C 42.2: T 67/13

# GOVERNMENT PUBLICATIONS

## INTERSTATE COMMERCE COMMISSION

Washington, D.C. 20423

- 14784 Rail carload unit costs by territories for year 1964. July 1966. cover title, [2]+iii+68 p. 4° (Statement 6-66; Bureau of Accounts.) [This study issued as information, has not been adopted by Interstate Commerce Commission. Map on cover.] \* Paper, 45c. ● Item 682-C  
L.C. card A49-1585 IC 1 acco.7: 964

### Railroad accident investigation report.

- 14785 4074. Atlantic Coast Line Railroad Company, S. J. Buchanan, Inc., Branford, Fla., Feb. 28, 1966. [1966.] [3]+8+[2] p. il. (Motor carrier investigation report, 114.) †  
IC 1 acci.5: 4074

## JOINT CHIEFS OF STAFF, Defense Dept.

Washington, D.C. 20301

- 14786 National security management review, highlighting salient developments and problems, Jan. 1965-May 1966 [with list of references]; by Charles H. Donnelly. 1966. viii+200 p. (Industrial College of Armed Forces.) † ● Item 315-A  
L.C. card 66-62436 D 5.13: N 21s/2/965-66
- 14787 National Security Seminar, presentation outlines and reading list, 1966-67 [Gray team]. July 1966. xvi+571 p. il. 4° (Industrial College of Armed Forces.) [Some pages are left blank to be used for notes.] †  
● Item 315-A D 5.9/2: 966-67

## JOINT PUBLICATIONS RESEARCH SERVICE

Washington, D.C. 20443

NOTE.—Titles of JPRS serial reports listed below were issued during the month, but were not cataloged separately.

- 14788-1 Communist China digest, no. 173; JPRS 37161.  
14788-2 Communist Chinese scientific abstracts: Agricultural science and technology, nos. 25-29; JPRS 37080, 37297, 37343, 37469, 37496.  
14788-3 Communist Chinese scientific abstracts: Bio-medical sciences, nos. 128-139; JPRS 37052, 37064, 37090, 37112, 37202, 37232, 37255, 37340, 37392, 37452, 37453, 37545.  
14788-4 Communist Chinese scientific abstracts: Chemistry nos. 29-31; JPRS 37203, 37470, 37503.  
14788-5 Communist Chinese scientific abstracts: Earth sciences, nos. 61-64; JPRS 37053, 37069, 37142, 37473.  
14788-6 Communist Chinese scientific abstracts: Electronics and electrical engineering, no. 32; JPRS 37054.  
14788-7 Communist Chinese scientific abstracts: Engineering and equipment, nos. 42-44; JPRS 37055, 37271, 37341.  
14788-8 Communist Chinese scientific abstracts: Materials science and metallurgy, no. 3; JPRS 37481.  
14788-9 Communist Chinese scientific abstracts: Physics and mathematics, nos. 46-48; JPRS 37296, 37342, 37451.  
14788-10 Cybernetics, USSR, no. 2, 1966; JPRS 37235.  
14788-11 East European scientific abstracts: Bio-medical science, nos. 47-48; JPRS 37178, 37429.  
14788-12 East European scientific abstracts: Cybernetics, computers, and automation technology, no. 16; JPRS 37062.  
14788-13 Economic and geographic translations on Latin America, nos. 43-47; JPRS 37098, 37144, 37262, 37396, 37508.  
14788-14 Genetics, USSR, nos. 5-6, 1966; JPRS 37174, 37248.  
14788-15 Herald of communications, no. 5, 1966; JPRS 37476.  
14788-16 Index of La Stampa and La Stampa sera, nos. 325-329; JPRS 37160, 37168, 37198, 37477, 37478.  
14788-17 Index of Le Monde, no. 75; JPRS 37212.  
14788-18 Military information on Eastern Europe, nos. 140-141; JPRS 37021, 37237.  
14788-19 Political translations on Eastern Europe, nos. 222-228; JPRS 37022, 37066, 37205, 37286, 37316, 37421, 37461.  
14788-20 Press information report on Albania, nos. 180-183; JPRS 37048, 37206, 37310, 37533.  
14788-21 Press information report on Iran, nos. 6-7; JPRS 37079, 37446.  
14788-22 Sociological translations on Eastern Europe, nos. 364-371; JPRS 37025, 37121, 37207, 37251, 37317, 37332, 37424, 37540.  
14788-23 Soviet military translations nos. 305-322; JPRS 37060, 37154, 37157, 37172, 37175, 37185, 37201, 37239, 37299, 37304, 37320, 37345, 37389, 37444, 37459, 37475, 37541, 37562.

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- 14788-24 Soviet press materials on arms control and disarmament, no. 5; JPRS 37391.  
 14788-25 Summary of Bulgarian provincial press, nos. 257-261; JPRS 37241, 37333, 37398, 37427, 37435.  
 14788-26 Summary of Czechoslovak provincial press, nos. 366-370; JPRS 37049, 37124, 37337, 37412, 37413.  
 14788-27 Summary of Hungarian provincial press, nos. 414-418; JPRS 37026, 37208, 37253, 37448, 37449.  
 14788-28 Summary of Polish provincial press, nos. 458-461; JPRS 37063, 37195, 37366, 37505.  
 14788-29 Summary of Rumanian provincial press, nos. 353-356; JPRS 37005, 37211, 37334, 37495.  
 14788-30 Translations from Hung-ch'i (Red flag), no. 34; JPRS 37526.  
 14788-31 Translations from Kommunist, nos. 9-10, 1966; JPRS 37106, 37370.  
 14788-32 Translations of Pravda editorials, USSR, nos. 663-681; JPRS 37012, 37059, 37084, 37110, 37135, 37170, 37200, 37214, 37250, 37268, 37314, 37359, 37371, 37399, 37422, 37455, 37482, 37500, 37550.  
 14788-33 Translations on Africa, nos. 416-430; JPRS 37078, 37093, 37149, 37159, 37194, 37204, 37234, 37273, 37290, 37338, 37367, 37387, 37434, 37488, 37529.  
 14788-34 Translations on Communist China: Economic, nos. 8-11; JPRS 37043, 37246, 37432, 37454.  
 14788-35 Translations on Communist China: Political and sociological, nos. 366-369; JPRS 37099, 37400, 37497, 37514.  
 14788-36 Translations on Communist China: Science and technology, nos. 334-343; JPRS 36997, 37083, 37092, 37134, 37233, 37256, 37272, 37401, 37433, 37468.  
 14788-37 Translations on Cuba, nos. 465-481; JPRS 37047, 37051, 37056, 37065, 37093, 37143, 37169, 37213, 37242, 37339, 37349, 37368, 37381, 37442, 37462, 37498, 37510.  
 14788-38 Translations on East European agriculture, forestry, and food industries, nos. 466-473; JPRS 37006, 37067, 37145, 37192, 37252, 37287, 37419, 37506.  
 14788-39 Translations on East European foreign trade, nos. 289-292; JPRS 37146, 37238, 37311, 37531.  
 14788-40 Translations on East European heavy industry, nos. 284-288; JPRS 37147, 37244, 37306, 37463, 37511.  
 14788-41 Translations on East European materials industries, nos. 302-309; JPRS 37000, 37068, 37148, 37245, 37288, 37425, 37490, 37530.  
 14788-42 Translations on East European service industries, nos. 462-467; JPRS 37027, 37122, 37179, 37318, 37437, 37507.  
 14788-43 Translations on economic organization and management in Eastern Europe, nos. 595-603; JPRS 37007, 37109, 37123, 37254, 37289, 37319, 37441, 37447, 37532.  
 14788-44 Translations on international Communist developments, nos. 869-880; JPRS 37004, 37008, 37070, 37094, 37097, 37126, 37199, 37303, 37439, 37474, 37513, 37546.  
 14788-45 Translations on Mongolia, nos. 114-115; JPRS 37081, 37312.  
 14788-46 Translations on Near East, nos. 14-25; JPRS 37003, 37010, 37046, 37050, 37100, 37197, 37247, 37344, 37348, 37410, 37440, 37471.  
 14788-47 Translations on North Korea, nos. 3-10; JPRS 37001, 37044, 37091, 37216, 37267, 37411, 37418, 37563.  
 14788-48 Translations on North Vietnam, nos. 17-27; JPRS 37002, 37045, 37082, 37125, 37158, 37167, 37193, 37249, 37409, 37512, 37539.  
 14788-49 Translations on south and east Asia, nos. 125-129; JPRS 36996, 37113, 37196, 37423, 37509.  
 14788-50 Translations on Soviet education, nos. 35-43; JPRS 37019, 37024, 37184, 37189, 37303, 37336, 37347, 37378, 37538.  
 14788-51 Translations on USSR agriculture, nos. 144-153; JPRS 37107, 37186, 37191, 37264, 37322, 37377, 37460, 37502, 37542, 37547.  
 14788-52 Translations on USSR communications, nos. 71-72; JPRS 37325, 37395.  
 14788-53 Translations on USSR consumer goods and domestic trade, nos. 128-136; JPRS 36998, 37138, 37173, 37188, 37323, 37383, 37445, 37450, 37535.  
 14788-54 Translations on USSR labor, nos. 121-129; JPRS 37013, 37180, 37190, 37263, 37300, 37321, 37346, 37489, 37543.  
 14788-55 Translations on USSR transportation, nos. 130-137; JPRS 37014, 37119, 37137, 37155, 37187, 37240, 37335, 37426.  
 14788-56 USSR economy and industry: Current developments, nos. 8-11; JPRS 37136, 37215, 37420, 37561.  
 14788-57 USSR economy and industry: General information, nos. 16-26; JPRS 37011, 37140, 37171, 37243, 37365, 37382, 37388, 37443, 37458, 37534, 37544.  
 14788-58 USSR industrial development: Automotive and tractor industry, nos. 7-15; JPRS 37015, 37156, 37181, 37269, 37301, 37384, 37457, 37491, 37504.  
 14788-59 USSR industrial development: Chemical industry and machinery, nos. 5-10; JPRS 36999, 37176, 37265, 37324, 37492, 37537.  
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JPRS (series).

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- 14789 32787. New physical and chemical methods of precision machining, USSR; by A. L. Livshits, Nov. 9, 1965, cancellation. Aug. 2, 1966. [2] p. 4° Φ  
 14790 35311. Errata, Synthesis of nonlinear control laws, USSR; by R. A. Nelepin. June 30, 1966. [2] p. 4°

NOTE.—Errata cancels JPRS 35311 and states that it has been reissued as JPRS 35827.

- 14791 37009. Interview on programmed instruction with Academician A. I. Berg, Chairman of Interdepartmental Scientific Council on Programmed Instruction, USSR. Aug. 15, 1966. [2] p.+3 leaves, 4° [From Sovetskaya kirgiziya, July 26, 1966.] Φ Paper, \$1.00 (TT: 66-33439).  
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- 14984 Summary release, employee earnings and hours in retail trade, June 1965. June 1966. 10 p. 4° † ● Item 769 L 2.2: R 31/5/965

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- 14985 Supplement 5, Sept. 1966, corrections and additions to 1966 Great Lakes pilot. [1966.] [1]+13 leaves, 4° [Bearings are true and distances are expressed in statute miles. Supplement information given upon charts published by Lake Survey.] † U.S. Army Engineer District, Lake Survey, 630 Federal Bldg., Detroit, Mich. 48226 D 103.203: 966/supp. 5  
L.C. card 6-7112

## LIBRARY OF CONGRESS Washington, D.C. 20540

- 14986 National union catalog, cumulative author list representing Library of Congress printed cards and titles reported by other American Libraries: Register of additional locations, June 1966; [compiled by Catalog Maintenance and Catalog Publication Division]. 1966. xiv+385 p. 4° (Library of Congress catalogs.) [Supplement to National union catalog.] † (Included in subscription to National union catalog. See Entry no. 3242, Feb. 1966 Monthly catalog.) LC 30.8/7: 966  
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**MARINE CORPS (Navy), Defense Dept.  
Washington, D.C. 20350**

- 14987 First 50 years, U.S. Marine Corps Reserve. [1966.] [2]+36+[2] p. il.  
([NAVMC 7003R.]) †  
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**MARITIME ADMINISTRATION, Commerce Dept.  
Washington, D.C. 20548**

- 14988 Economic impact of United States ocean ports. [1966.] 28 p. il. 4° [Text  
on p. 3 of cover.] \* Paper, 30c. ● Item 235  
L.C. card 66-62547 C 39.202: P 83

**MEDICINE AND SURGERY BUREAU (Navy), Defense Dept.  
Washington, D.C. 20350**

- 14989 Manual of Medical Department, page change 30. June 20, 1966. [46] p. 4°  
[Issued in looseleaf form.] † D 206.8/2: 952/ch. 30
- 14990 — page change 31. Aug. 9, 1966. [43] p. 4° [Issued in looseleaf form.  
Includes checklist of pages in effect.] † D 206.8/2: 952/ch. 31
- U.S. Naval Submarine Medical Center, Submarine Base, Groton, Conn.:  
Reports. † D 206.10: (nos.)
- 14991 437. Ionizing radiation effects on eyes of personnel in nuclear-powered submarine  
[with list of references]; by Thomas R. Kleh. Sept. 10, 1964. cover title,  
iii+7+[13] p. il. 4° (Vol. 23, no. 19, research proj. MR005.14.3002-  
4.16.) [For official use.]
- 14992 450. Aerotitis media in submarine recruits [with list of references]; by Howard  
J. Alfandre. May 29, 1965. cover title, iii+19+[5] p. il. 4° (Research  
work unit MR005.14-3100-1.05.) [For official use; may be released as  
of Mar. 1, 1966.]
- 14993 451. Monaural and binaural speech intelligibility and stereophonic effect based  
upon temporal cues [with bibliography]; by J. Donald Harris. June 1,  
1965. cover title, 19+[5] p. il. 4° (Vol. 24, no. 7, research proj.  
MR005.14.1001-3.06.) [Reprint from Laryngoscope, v. 75, no. 3, Mar.  
1965. Text on p. 2 of cover.]
- 14994 460. Comparison of individual and group learning of nonsense syllables [with  
list of references]; by Bernard L. Ryack. Oct. 12, 1965. cover title,  
296-299+[5] p. 4° (Work unit MF002.03.03-9014.01.) [Reprinted from  
Journal of personality and social psychology, v. 2, no. 2, Aug. 1965.]
- 14995 467. Aerodontalgia under hyperbaric conditions [with list of references]; by  
William R. Shiller. Jan. 20, 1966. cover title, [1]+694-697+[5] p. 4°  
(Research work-unit MF022.03.03-9001.04.) [Reprinted from Oral sur-  
gery, oral medicine and oral pathology, v. 20, no. 5, Nov. 1965. Copy-  
right 1965 by C. V. Mosby Company. Text on p. 2 of cover.]
- 14996 472. Near-drowning, its pathophysiology and treatment in man [with list of  
references]; by George E. Griffin. Mar. 3, 1966. cover title, [1]+12-  
21+[6] p. il. 4° (Research work-unit MF022.03.03-9025.23.) [Re-  
printed from Military medicine, v. 131, no. 1, Jan. 1966. Text on p. 2  
of cover.]
- 14997 Vending of food and beverages. [1966.] [1]+7 p. 4° (Supp. 1,  
NAVMED P-5910-1.) [Issued in looseleaf form. Supplement 1 to  
Manual of naval preventive medicine, chap. 1, Food sanitation.] †  
● Item 385-B D 206.6/3: M 46/chap. 1/supp. 1

**MINES BUREAU, Interior Dept.  
Washington, D.C. 20240**

- 14998 Advance data on coke and coal chemicals in 1965; prepared by Eugene T.  
Sheridan. Aug. 8, 1965. 19 p. 4° (Mineral industry surveys; Coke  
and coal chemicals, annual.) † Mines Bureau, Pittsburgh, Pa. 15213  
I 28.30/4: 965
- 14999 Antimony; by Donald E. Moulds. [1966.] [2]+10 p. [Preprint from  
Minerals yearbook, 1965.] \* Paper, 15c. I 28.37/a: An 87/965
- 15000 Boron; by William C. Miller. [1966.] [2]+8 p. [Preprint from Minerals  
yearbook, 1965.] \* Paper, 10c. I 28.37/a: B 645/965

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# GOVERNMENT PUBLICATIONS

- 15001 Cobalt; by Harold W. Lynde, jr. [1966.] [2]+7 p. [Preprint from Minerals yearbook, 1965.] \* Paper, 10c. I 28.37/a : C 632/965
- 15002 Coke producers in United States in 1965; [prepared by Eugene T. Sheridan]. Aug. 10, 1966. 11 p. 4° (Mineral industry surveys, Coke producers, annual.) † Mines Bureau, Pittsburgh, Pa. 15213 I 28.30/2 : 965
- 15003 Diatomite; by Benjamin Petkof. [1966.] [2]+4 p. [Preprint from Minerals yearbook, 1965.] \* Paper, 5c. I 28.37/a : D 543/965
- 15004 Disabling work-injury experience of oil industry (all activities) and natural gas industry (excluding distribution activities) in United States, 1965; prepared by Nell B. Bradley, Gwen M. Watts, and Nina L. Jones. Aug. 1966. [1]+14 p. il. 4° (Mineral industry surveys; Oil and gas injuries, annual.) † Mines Bureau, Pittsburgh, Pa. 15213 I 28.108 : 965
- 15005 Feldspar, nepheline syenite, and aplite; by J. Robert Wells. [1966.] [2]+8 p. [Preprint from Minerals yearbook, 1965.] \* Paper, 10c. I 28.37/a : F 333/2/965
- 15006 Fuel briquets and packaged fuel; by Eugene T. Sheridan. [1966.] [2]+14 p. il. [Preprint from Minerals yearbook, 1965.] \* Paper, 10c. I 28.37/a : B 773/965
- 15007 Gem stones; by Benjamin Petkof. [1966.] [2]+6 p. [Preprint from Minerals yearbook, 1965.] \* Paper, 10c. I 28.37/a : G 284/965
- 15008 Gypsum; by Paul L. Allsman. [1966.] [2]+8 p. [Preprint from Minerals yearbook, 1965.] \* Paper, 10c. I 28.37/a : G 998/965
- 15009 Helium; by Edwin M. Thomasson. [1966.] [2]+8 p. [Preprint from Minerals yearbook, 1965.] \* Paper, 10c. I 28.37/a : H 367/965
- Information circulars. ● Item 637-A I 28.27 : (nos.)
- 15010 S301. Forms of sulfur in U.S. coals; by F. W. Walker and F. E. Hartner. [1966.] [3]+51 p. 4° \* Paper, 35c. L.C. card 66-62231
- 15011 S302. Analyses of natural gases of United States, 1964; by B. J. Moore, R. D. Miller and R. D. Shrewsbury. [1966.] [3]+144 p. il. 4° \* Paper, 70c. L.C. card 64-61479
- 15012 S308. Research and technologic work on explosives, explosions, and flames, fiscal year 1965; by staff, Explosives Research Center. [1966.] [2]+ii+19 p. il. 4° † Mines Bureau, Pittsburgh, Pa. 15213 L.C. card 58-25417
- 15013 Magnesium compounds; by Lloyd R. Williams. [1966.] [2]+10 p. [Preprint from Minerals yearbook, 1965.] \* Paper, 10c. I 28.37/a : M 274/5/965
- 15014 Mineral industry of Albania; by Roman V. Sondermayer. [1966.] [2]+3 p. [Preprint from Minerals yearbook, 1965.] \* Paper, 5c. I 28.37/a 2 : A1 13/965
- 15015 Mineral industry of Iraq; by James A. West. [1966.] [2]+4 p. [Preprint from Minerals yearbook, 1965.] \* Paper, 5c. I 28.37/a2 : Ir 1/2/965
- 15016 Minerals industry of Israel; by E. Shekarchi. [1966.] [2]+6 p. [Preprint from Minerals yearbook, 1965.] \* Paper, 5c. I 28.37/a 2 : Is 7/965
- 15017 Mineral industry of Jordan; [by E. Shekarchi]. [1966.] [2]+4 p. [Preprint from Minerals yearbook, 1965.] \* Paper, 5c. I 28.37/a 2 : J 761/965
- 15018 Minor metals; by Staff, Division of Minerals. [1966.] [2]+16 p. [Preprint from Minerals yearbook, 1965.] \* Paper, 10c. I 28.37/a : M 564/3/965
- 15019 Molybdenum; by John L. Morning. [1966.] [2]+11 p. il. [Preprint from Minerals yearbook, 1965.] \* Paper, 10c. I 28.37/a : M 739/965
- 15020 Perlite; by Timothy C. May. [1966.] [2]+4 p. [Preprint from Minerals yearbook, 1965.] \* Paper, 5c. I 28.37/a : P 421/965

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- 15022 6818. Electrolytes for electrorefining hafnium [with list of references]; by M. M. Wong, J. M. Hiegel, and G. M. Martinez. [1966.] [3]+9 p. il. 4° † Mines Bureau, Pittsburgh, Pa., 15213
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- 15033 Water used in mineral industry of Alabama in 1962; [prepared by F. Vernon Tompkins]. Aug. 1, 1966. [7] leaves, il. 4° (Mineral industry surveys, Area 2, Knoxville, Tenn., 37902.) (II-43.) (Supplements II-22.) † Mines Bureau, Pittsburgh, Pa., 15213
- 15034 Zirconium and hafnium; by John G. Parker. [1966.] [1]+9 p. [Preprint from Minerals yearbook, 1965.] \* Paper, 10c. I 28.37/a: Z 68/965

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Washington, D.C. 20226

- 15035 Traffic in opium and other dangerous drugs for year ended Dec. 31, 1965 [report, with list of Publications of international interest]. 1966. v+64 p. il. \* Paper, 30c. • Item 969  
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- 15036 Activities in science related to space. [1966.] cover title, [1]+54 p. il. 4°  
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- NASA contractor report CR (series). NAS 1.26: (nos.)
- 15037 492. Errata. Studies of mechanics of filamentary composites. by Norris F. Dow, B. Walter Rosen, Zvi Hashin, June 1966. [Sept. 1966.] 1 p. 4° †
- 15038 517. Precision winding of cylindrical composites with shaped glass filaments [with bibliography]; by Richard A. Humphrey, Aug. 1966. cover title, vii+39 p. il. 4° [Prepared under contract NASw-1100 by DeBell & Richardson, Inc., Hazardville, Conn.] Φ Paper, \$2.00.
- 15039 518. Initiation of failure mechanisms in glass-resin composites [with bibliography]; by William J. Eakins. Aug. 1966. cover title, viii+63 p. il. 4° [Prepared under contract NASw-1100 by DeBell & Richardson, Inc., Hazardville, Conn.] Φ Paper, \$3.00.  
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## NASA contractor report CR (series)—Continued

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- 15074 583. Study of perturbed periodic systems of differential equations, stroboscopic method [with bibliography]; by C. M. Petty [and others]. Sept. 1966. cover title, iii+55 p. 4° [Prepared under contract NAS 7-382 by Lockheed Aircraft Corporation, Palo Alto, Calif.]  $\Phi$  Paper, \$2.50.

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- 15201 D-3635. Flow and pressure field analysis of parallel groove geometry for incompressible fluid with convective inertia effects [with list of references]; by John Zuk, Lawrence P. Ludwig, and Robert L. Johnson. Sept. 1966. cover title, [1]+36 p. il. 4°  $\Phi$  Paper, \$2.00.

## NASA technical report R (series).

- 15202 247. System for inertial experiment pointing and attitude control [with list of references]; by Peter R. Kurzhals and Carolyn Grantham. Aug. 1966. cover title, [1]+65 p. il. 4°  $\Phi$  Paper, \$2.50 NAS 1.12:247

## NASA technical translation TT (series).

- 15203 F-373. Automatic regulation and control, selected parts [with lists of references]; by B. I. Andreychikov, et al. July 1966. cover title, ix+383 p. il. 4° [Reports presented at 7th Conference of Young Scientists of Institute of Automation and Remote Control of Academy of Sciences USSR, held in Mar. 1960 [From Izdatel'stvo Akademii Nauk SSSR, 1962.]  $\Phi$  Paper, \$7.00. NAS 1.13/2: F-373

NATIONAL AGRICULTURAL LIBRARY, Agriculture Dept.  
Washington, D.C. 20250Library lists.  $\dagger$ 

A 17.17: (nos.)

- 15204 25. Available bibliographies and lists. [Revised edition.] Aug. 1966. [2] p. 4° L.C. list Agr 46-109
- 15205 83. Soybean processing and utilization, selected list of references, 1955-65. Aug. 1966. cover title, iv+183 p. 4°  $\bullet$  Item 95-A L.C. card Agr 66-277

NATIONAL BUREAU OF STANDARDS, Commerce Dept.  
Washington, D.C. 20235Monographs.  $\bullet$  Item 247-A

C 13.144: (nos.)

- 15206 25. Standard X-ray diffraction powder patterns: sec. 4 [Data for 103 substances, with lists of references; by] Howard E. Swanson, Marlene C. Morris, and Eloise H. Evans. June 28, 1966. iv+83 p. il. 4° [Includes cumulative index to Circular 539, v. 1-10, and Monograph 25, sec. 1-4.] \* Paper, 53c. L.C. card 53-61386
- 15207 96. Electrical parameters of precision, coaxial, air-dielectric transmission lines, Robert E. Nelson and Marlene R. Coryell, errata. July 25, 1966. 1 p. 4°  $\dagger$  L.C. card 66-60053

## Review of selected U.S. Government research and development reports OTR (series). (Clearinghouse for Federal Scientific and Technical Information.)

- 15208 139. Flexible, transparent packaging materials. July 1966. 20 p.  $\Phi$  L.C. card 66-62518 C 13.49:139

Technical notes.  $\bullet$  Item 249-A

C 13.46: (nos.)

- 15209 277. Analytical Mass Spectrometry Section, instrumentation and procedures for isotopic analysis; edited by William R. Shields. July 25, 1966. vii+99 p. il. 4° \* Paper, 60c. L.C. card 66-62505
- 15210 341. Long-term performance of 2 rubidium vapor frequency standards [with list of references; by] B. E. Blair and A. H. Morgan. June 22, 1966. iv+31 p. il. 4° \* Paper, 25c.
- 15211 342. Hydromagnetic wave propagation near 1 c/s in upper atmosphere and properties and interpretation of Pc 1 micropulsations [with list of references; by] John A. Dawson. June 30, 1966. v+66 p. il. 4° \* Paper, 40c.

$\Phi$ For Sale by Clearinghouse, U.S. Department of  
Commerce, Springfield, Va. 22151  
 $\bullet$ Sent to Depository Libraries

# GOVERNMENT PUBLICATIONS

## NATIONAL CAPITAL PLANNING COMMISSION Washington, D.C. 20576

- 15212 Problems of housing people in Washington, D.C., synopsis of findings, special report to community. July 1966. [10]+126 p. il. 4° [Includes bibliography of sources on population and housing in District of Columbia.] † ● Item 831-A  
L.C. card 66-62088 NC 2.2: H 81

## NATIONAL CAPITAL REGIONAL PLANNING COUNCIL Washington, D.C. 20576

- 15213 Regional development guide, 1966-2000. [1966.] [2] p. il. f°, folded into oblong 48° size. [One illustration is colored.] † ● Item 831-A  
NC 3.8: D 49

## NATIONAL COMMISSION ON FOOD MARKETING Washington, D.C. 20407

NOTE.—The National Commission on Food Marketing was established by Public Law 88-354, approved July 3, 1964.

Technical studies. ● Item 1070-G Y 3.N 21/22: 9/(nos.)

- 15214 1. Organization and competition in livestock and meat industry. June 1966. v+189 p. il. \* Paper, 55c.  
L.C. card 66-62566
- 15215 4. Organization and competition in fruit and vegetable industry. June 1966. vi+[1]+392 p. il. \* Paper, \$1.25.  
L.C. card 66-62567
- 15216 6. Studies of organization and competition in grocery manufacturing; [prepared by Louis W. Stern, assisted by Thomas J. Hogan]. June 1966. v+270 p. il. \* Paper, 75c.  
L.C. card 66-62506
- 15217 7. Organization and competition in food retailing, supp. 2, Miscellaneous statistical data on food retailing. June 1966. [6]+40+[2] p. 4° [Publication reads Technical report 7.] †
- 15128 10. Special studies in food marketing: Private label products in food retailing [prepared by David L. Call]; Retail food prices in low and higher income areas; [and] Notes on economic regulation. June 1966. vii+299 p. \* Paper, 65c.  
L.C. card 66-62508

## NATIONAL LIBRARY OF MEDICINE, Health, Education, and Welfare Dept., Bethesda, Md. 20014

- 15219 Bibliography of medical translations, July-Dec. 1964, quarterly supplements 9 & 10. 1966. [205] p. 4° [Listing of translations by broad subject area selected from Technical translations, semimonthly compilation published by Clearinghouse for Federal Scientific and Technical Information, Department of Commerce, Springfield, Va.] \* Paper, \$1.25. ● Item 508-F  
L.C. card 63-61052 FS 2.209: T 68/supp. 9, 10

## NATIONAL PARK SERVICE, Interior Dept. Washington, D.C. 20242

- 15220 Chalmette National Historical Park, La., commemorating Battle of New Orleans. [Revised 1966.] [1966.] [12] p. il. narrow 8° † ● Item 650  
I 29.21: C 35/966
- 15221 Fire Island. [Apr. 1966.] [6] p. il. (with map on verso) folded into oblong 32° ([NRA-FI-17000.]) \* Paper, 10c. ● Item 651  
I 29.6/2: F 51
- 15222 George Washington Memorial Parkway, Mount Vernon section. [Revised 1966.] [1966.] 1 sheet (with map on verso) il. narrow f° folded into narrow 8° size. † ● Item 651  
I 29.6: G 29/3/966
- 15223 Gettysburg National Military Park, Pa. [Revised 1966.] [1966.] [14] p. il. narrow 8° \* Paper, 10c. ● Item 650  
I 29.21: G 33/4/966

\*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

- 15224 Welcome to Washington. [1966.] [12] p. il. narrow 8° † ● Item 648  
I 29.2: W 27/5
- 15225 Whitman Mission National Historic Site, Wash. [Revised 1966.] [1966.]  
[10] p. il. narrow 8° \* Paper, 10c. ● Item 650 I 29.21: W 59/966

**NATIONAL RAILROAD ADJUSTMENT BOARD**  
Washington, D.C. 20572

- 15226 Awards of 2d division, National Railroad Adjustment Board, with index, v. 43, June 14–July 31, 1963, awards 4221–90 inclusive, interpretation nos. 53–56. Keenan Printing Company, Chicago, Ill. [1966.] v+950 p. † National Railroad Adjustment Board, Chicago, Ill. 60604. (Price upon application.)  
L.C. card 37-26860 RA 1.8: 43
- 15227 Awards 12761–820, 3d division, v. 136. Keenan Printing Company, Chicago, Ill. [1966.] [1]+983 p. † National Railroad Adjustment Board, 220 South State Street, Chicago, Ill. 60604. (Price upon application.)  
L.C. card 36-26212 RA 1.9: 136
- 15228 Awards 12821–915, 3d division, v. 137. Keenan Printing Company, Chicago, Ill. [1966.] [1]+1025 p. † National Railroad Adjustment Board, 220 South State Street, Chicago, Ill. 60604. (Price upon application.)  
L.C. card 36-26212 RA 1.9: 137

**NAVAL OBSERVATORY, Defense Dept.**  
Washington, D.C. 20350

- 15229 Air almanac, 1967, Jan.–Apr. 1966. p. 1–242+F4+AS2 p. il. 4° [Text on p. 2–4 of cover. The F4 pages of collation consists of Navigational star chart mounted on cloth, with Stars, Jan.–Apr. 1967, Interpolation of G.H.A., Interpolation of moonrise, moonset, and Star index on verso. Produced jointly by H. M. Nautical Almanac Office, Royal Greenwich Observatory, and by Nautical Almanac Office, U.S. Naval Observatory. Printed separately in England and United States.] \* Stiffboard, \$3.25.  
● Item 573  
L.C. card 52-61239 D 213.7: 967/1

**NAVAL OCEANOGRAPHIC OFFICE, Defense Dept.**  
Washington, D.C. 20390

- 15230 Annual report of commander, Naval Oceanographic Office, fiscal year 1965. [1966.] cover title, iv+64 p. il. 1 pl. \* Paper, 40c. ● Item 377-A (Rev. 1964.)  
L.C. card 8-12043 D 203.1: 965

**National Oceanographic Data Center publications: General series.**

- D 203.24: (nos.)
- 15231 G-6. Atlas of bathythermograph data: Indian Ocean. 1966. 129+[1] p. il. f° [Text on p. 2 of cover. [Issued in looseleaf form.] † Paper, \$5.00.  
L.C. card 66-62521
- 15232 G-10. Selection IIOE track charts, automatically produced, based on data of International Indian Ocean Expedition; [compiled by James Churgin and Rudi Saenger]. 1966. v+49+[1] p. il. 4° [Includes all cruises processed at NODC as of Mar. 1966.] † Paper, 70c.
- Publications. ● Item 378 (Rev. 1957.)** D 203.22: (nos.)
- 15233 44. Change 8, Mar. 5, 1966, loose leaf change pages for correcting Sailing directions for Baltic, v. 3, 3d edition, 1952. [1966.] [128] p. il. 4° [Formerly no. 143. Includes list of effective pages.] † Paper, 35c.
- 15234 52. Change 9, Feb. 12, 1966, loose leaf change pages for correcting Sailing directions for Mediterranean, v. 1, 4th edition, 1952. [1966.] [133] p. il. 4° [Formerly 151, includes list of effective pages.] † Paper, 35c.
- 15235 54. Change 10, June 4, 1966, loose leaf change pages for correcting Sailing directions for Mediterranean, v. 3, 3d edition, 1951. [1966.] [91] p. il. 4° [Formerly 153. Includes list of effective pages.] † Paper, 35c.
- 15236 95. Change 10, Jan. 22, 1966, loose leaf change pages for correcting Sailing directions for Japan, v. 2, southern part, 2d edition, 1951. [1966.] [235] p. il. 4° [Formerly 123 B. Includes list of effective pages.] † Paper, 35c.

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Commerce, Springfield, Va. 22151  
●Sent to Depository Libraries



# GOVERNMENT PUBLICATIONS

## Publications—Continued

- 15237 111A. Change 12, Aug. 6, 1966, List of lights and fog signals, Greenland, east coasts of North and South America (excluding continental U.S.A. except east coast of Florida) and West Indies. 1966. [158] p. 4° [Includes list of effective pages and Notice to mariners 32, 1966. Issued in looseleaf form.] † Paper, 50c.
- 15238 117A. Change 11, radio navigational aids. Atlantic and Mediterranean area. 1966. [123] p. il. 4° [Includes list of effective pages and Notice to mariners 32, 1966. Issued in looseleaf form.] † Paper, 50c.

## Special publication SP (series). †

- 15239 35. Glossary of oceanographic terms [with list of sources]; edited by B. B. Baker, jr., W. R. Deebel, [and] R. D. Geisenderfer. 2d edition, 1966. [1966.] vi+204 p. il. 4° [Includes list of Oceanographic institutions, agencies, activities, and groups. [Errata 1 p. oblong 32°, also issued] \* Cloth, \$2.25. ● Item 377-C  
L.C. card 66-62513

D 203.22/3 : 35

## NAVAL OPERATIONS OFFICE, Defense Dept. Washington, D.C. 20350

- 15240 John Paul Jones, commemoration at Annapolis, Apr. 24, 1906; compiled by Charles W. Stewart. 1907, reprinted 1966. [3]+210 p. 34 pl. large 8° \* Cloth, \$3.00. ● Item 399-A

D 207.10/2 : J 71

## NAVAL PERSONNEL BUREAU, Defense Dept. Washington, D.C. 20390

- 15241 Aviation machinist's mate J 1 & C [with reading list; prepared by Navy Training Publications Center.] [1966 edition]. [1966.] cover title, iv+283 p. il. 4° (Navy training course, NAVPERS 10343-A.) [Some illustrations are colored.] † ● Item 404  
L.C. card 66-62365

D 208.11 : Av 5/32/966

- 15242 Commissaryman 3 & 2 [with reading list; prepared by Training Publications Division, Naval Personnel Program Support Activity.] ([Original edition 1948, revised 1966.]) [1966.] cover title, iv+218 p. il. 4° (Navy training course, NAVPERS 10279-D.) \* Paper, \$1.25. ● Item 404  
L.C. card 63-61576

D 208.11 : C 73/2/966

- 15243 Construction electrician 1 & C [with reading list; prepared by Training Publications Division, Naval Personnel Program Support Activity]. [Original edition 1951, revised 1966.] [1966.] cover title, v+316 p. il. 4° (Navy training course; NAVPERS 10637-C.) \* Paper, \$1.75. ● Item 404  
L.C. card 66-62439

D 208.11 : El 2/8/966

- 15244 Cross reference index of transparencies for Fundamentals of electronics. May 1966. cover title, i+31 p. 4° (NavPers 93536, S/N 0500-947-0000.) [For use of instructor in identifying transparencies with volume and figure numbers of NavPers 93400A.] † ● Item 404

D 208.11/2 : El 2/9/trans.ind.

- 15245 Dental administration, Change 1, Apr. 7, 1966 [with bibliographies; prepared by Publications Department, Naval Dental School, National Naval Medical Center]. [1966.] [341] p. il. 4° (NavPers 10483.) [Prepared under supervision of Bureau of Medicine and Surgery. Issued in looseleaf form.] † ● Item 403-A

D 208.6/3 : D 43/2/ch.1

- 15246 Equipment operator 1 & C [with reading list; prepared by Training Publication Division, Naval Personnel Program Support Activity]. [Original edition 1949, revised 1966.] [1966.] cover title, v+273 p. 3 pl. 4° (Navy training course; NAVPERS 10641-E.) † ● Item 404  
L.C. card 66-62367

D 208.11 : Eq 5/2/966

- 15247 Manual for messes ashore, 1962, Change 4. May 24, 1966. vii+[52] p. 4° (NAVPERS 15951.) [Includes list of effective sheets. Issued in loose leaf form.] † ● Item 403-A

D 208.6/3 : M 56/ch. 4

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‡Official Use. Not Available

- 15248 Principles of guided missiles and nuclear weapons [with bibliographies; prepared by Training Publications Division, Naval Personnel Program Support Activity]. [Original edition 1959, revised 1966.] 1966. cover title, iii+366 p. il. 4° (NAVPERS 10784-A.) \* Paper, \$2.00. ● Item 404  
L.C. card 66-62366 D 208.11/2: M 69/2/966

- 15249 Trainee's guide for electronics technician: Class C, TACAN systems course, 7 weeks. Apr. 1966. xv+376 p. il. 4° (NAVPERS 93249.) [Issued in looseleaf form in binder.] ‡ ● Item 403-A D 208.6/3: El 2/2

NAVAL RESEARCH OFFICE, Defense Dept.  
Washington, D.C. 20390

Naval Training Device Center, Port Washington, N.Y.: Technical report NAVTRADEVCCEN (series).

- 15250 1614-1. Study, assessment of pilot proficiency [with list of references; by] Hugh M. Bowen [and others]. Aug. 1966. cover title, vii+128+[2] p. il. 4° (Dunlap & Associates, Inc., Darien, Conn., contract N61339-1614.) [Text on p. 2 of cover. Abstract cards inserted.] ‡  
D 210.14: 1614-1
- 15251 IH-56. Physiological correlates of learning and overlearning [with list of references; by] John L. Andreassi and Patricia M. Whalen. June 1966. cover title, v+22+[4] p. il. 4° [Text on p. 2 of cover.] ‡  
D 210.14: IH-56

NRL report. (Naval Research Laboratory).

- 15252 6350. Adhesion of ice to hydrophobic surfaces [with list of references; by] W. D. Bascom [and others]. Jan. 14, 1966. cover title, i+26+[4] p. il. 4° (NRL problems C02-14 and C02-09, project BuShips SF 013-99-02-0519 and ONR RR 001-01-43-4750.) ‡ Paper, \$2.60 (AD 628278). D 210.8: 6350

OUTDOOR RECREATION BUREAU, Interior Dept.  
Washington, D.C. 20240

- 15253 Bureau of Outdoor Recreation [grants-in-aid] manual [amdt. 2]. [1966.] [13] p. 4° (Release no. 640-4.) [Issued in looseleaf form.] \* Paper, \$4.00 (including basic manual and supplementary material for an indefinite period); \$1.50 additional for foreign mailing. ● Item 657-B-3  
I 66.8/2: 965/amdt. 2
- 15254 Evolution of outdoor recreation policy, remarks of Edward C. Crafts, director, Bureau of Outdoor Recreation, Department of Interior, at national conference on policy issues in outdoor recreation, Logan, Utah, Sept. 6, 1966. [1966.] 12 p. 4° † I 66.9: C 84/25
- 15255 Expanding America's outdoor recreation estate, land water conservation fund's first year and half, State and local projects, anticipated use by activity of 49,987 acres acquired with land and water conservation fund assistance, cumulative to June 30, 1966. [1966.] cover title, 4+[13] p. il. 4° † I 66.2: L 22/2/966

PATENT OFFICE, Commerce Dept.  
Washington, D.C. 20231

- 15256 Patent Office and technological progress, text of address by Edward J. Brenner, Commissioner of Patents, for delivery before joint meeting of American Chemical Society Committees on Patent Matters and Patent Legislation and Professional Relations and Status, New York, N.Y., Sept. 13, 1966. 1966. 8 p. 4° † C 21.20: B 75/10
- 15257 Patent & inventions, information aid for inventors, step-by-step guide to help inventor, decide whether to apply for patent, obtain patent protection, promote his invention. [1966.] cover title, iii+26 p. \* Paper, 15c. ● Item 254  
L.C. card 64-65511 C 21.2: P 27/10/966

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GOVERNMENT PUBLICATIONS

POST OFFICE DEPARTMENT

Washington, D.C. 20260

- 15258 Address by Postmaster General Lawrence F. O'Brien at last day ceremony for Marine Corps Reserve stamp, Iwo Jima Memorial, Arlington, Va., Aug. 29, 1966. 1966. 7 leaves, 4° (Information Service, General release 104.) † P 1.27: Ob 6/13
- 15259 [Commemorative stamp poster]: 5-cent Beautification of America, commemorative postage stamp available at your local post office Oct. 6, 1966. 1966. 10.5×8 in. P 1.26/2: B 38
- 15260 — 5-cent Johnny Appleseed commemorative postage stamp available at your local post office Sept. 26, 1966. 1966. 10.5×8 in. P 1.26/2: Ap 5
- NOTE.—Commemorative stamp posters, which will be issued irregularly, are available on a subscription basis from the Superintendent of Documents, \$1.50 a yr.; 50c. additional for foreign mailing.

PRESIDENT OF UNITED STATES

Washington, D.C. 20501

- 15261 The center of our society, the American city [remarks of President Lyndon B. Johnson at Syracuse, N.Y., Aug. 19, 1966]. [1966.] cover title, 8 p. il. [Published by Housing and Urban Development Department.] † ● Item 850 Pr 36.2: C 49
- 15262 President's Commission on Crime in District of Columbia, report on Metropolitan Police Department. 1966. vi+95 p. \* Paper, 35c. ● Item 851-J L.C. card 66-62275 Pr 36.8: C 86/P 75

PRISONS BUREAU, Justice Dept.

Washington, D.C. 20537

National prisoner statistics, NPS bulletin.

- 15263 39. Executions, 1930-65. June 1966. [1]+14 p. il. 4° † J 16.23: 39

PUBLIC DOCUMENTS DIVISION, Government Printing Office

Washington, D.C. 20402

- 15264 List of classes of United States Government publications available for selection by depository libraries. Revised July 1, 1966. [1966.] 25 p. 4° † ● All depositories. GP 3.24: 966
- Price list PL (series). † ● Item 554 GP 3.9: (nos.)
- 15265 10. Laws, rules and regulations; June 1966. 51st edition. [1966.] [2]+46 p. L.C. card 26-26488
- 15266 79. Aviation, civil aviation, naval aviation, Air Force; July 1966. 14th edition. [1966.] [2]+23 p. L.C. card 49-46782

PUBLIC HEALTH SERVICE, Health, Education, and Welfare Dept.

Washington, D.C. 20201

- 15267 A & E guide, guidelines for architectural-engineering documents for health research facilities construction grants. [July 1, 1966.] [1]+iii+52 p. 4° (National Institutes of Health.) [Subject to modification. Supersedes all other editions.] † Office of Architecture and Engineering, Division of Research Facilities and Resources, National Institutes of Health, Bethesda, Md. 20014 ● Item 507-H FS 2.22/15: Ar 2/966
- 15268 Activities report, fiscal year, 1966. [1966.] cover title, [1]+34 p. 4° (National Center for Health Statistics.) † ● Item 508-A-1. L.C. card 66-62449 FS 2.101: 966

\*For Sale by Superintendent of Documents

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- 15269 Adhesive restorative dental materials, 2, Proceedings of workshop held at University of Virginia, Charlotte, Va., Dec. 8 and 9, 1965, supported by Bio-Materials Research Advisory Committee and by National Institute of Dental Research, National Institutes of Health, Bethesda, Md. [with lists of references]. [1966.] xi+293 p. il. ([Publication 1494.]) \* Paper, \$1.00. ● Item 507 FS 2.22: D 43/8
- 15270 Air pollution, clubwomen accept the challenge, [address] by Thomas F. Williams, Chief, Information and Education Office, Division of Air Pollution, presented at 75th annual meeting of General Federation of Women's Clubs, Chicago, [Ill.], June 9, 1966. [1966.] [2]+17 p. † FS 2.30: W 67/4
- 15271 Air pollution, time for action [address by William H. Stewart, Surgeon General, Public Health Service, presented at 59th annual meeting of Air Pollution Control Association, San Francisco, Calif., June 20, 1966]. [1966.] [2]+14 p. † FS 2.30: St. 4/3
- 15272 Bibliography of selected publications on environmental engineering and food protection. 2d edition. Aug. 1966. [3]+17 p. 4° (Publication 1499; Division of Environmental Engineering and Food Protection.) † ● Item 481-A FS 2.24: En 8/2
- 15273 Career in administration at National Institutes of Health. [1966.] [32] p. il. 4° ([Publication 1446.]) \* Paper, 45c. ● Item 507 FS 2.22: Ad 6
- 15274 Community odor surveys and evaluation [paper, with list of references], by Joseph J. Sableski, Technical Assistant Branch, Division of Air Pollution, [Public Health Service, Department of Health Education, and Welfare], Robert A. Taft Sanitary Engineering Center, Cincinnati, Ohio. [1966.] [1]+12+[12] leaves, il. 4° [Presented at Mid-Atlantic States Section Meeting, Air Pollution Control Association, Wilmington, Del., Nov. 1965.] † FS 2.30: Sa 1
- 15275 Comparative method for studying costs of air pollution [with list of references; by] Irving Michelson and Boris Tourin. [1966.] p. 505-511. 4° [Reprinted from Public Health Reports, v. 81, no. 6, June 1966.] † FS 2.7/a: Ai 71/4
- Environmental health series: Food protection. (Division of Environmental Engineering and Food Protection, Shellfish Sanitation Branch.)
- 15276 FP-6 1965 proceedings, Northwest Shellfish Sanitation Research Planning Conference [with lists of references; by] W. J. Beck and J. C. Hoff. 1966. [2]+iii+112 p. il. 4° ([Publication 999-FP-6.]) † ● Item 483-F FS 2.300: FP-6  
L.C. card 66-60430
- Radiological health. (Division of Radiological Health.)
- 15277 RH-19. Soil and sediment analysis, preparation of samples for environmental radiation, surveillance: pt. 1, Preparation of soil samples, laboratory techniques [with list of references by], John H. Abrahams, jr.; pt. 2, Ultrasonic dispersion of sediments for size fraction radioanalysis [with list of references; by], Raymond H. Johnson, jr. [and] John H. Abrahams, jr. [June 1966.] vii+26 p. il. ([Publication 999-RH-19.]) [Abstract cards attached to back cover.] † Public Inquiry Branch. ● Item 483-F FS 2.300: RH-19  
L.C. card 66-60070
- 15278 Fabrication of single service containers and closures for milk and milk products, guide for sanitation standards, 1966 [with list of references]. [1966.] iii+9 p. ([Publication 1465]; Division of Environmental Engineering and Food Protection, Milk and Food Branch.) \* Paper, 15c. ● Item 496-A FS 2.6/2: M 59/3  
L.C. card 66-62239
- Health information series. ● Item 486 FS 2.50: (nos.)
- 15279 38. Chickenpox. [Revised June 1966.] [1966.] [4] p. narrow 8° ([Publication 173.]) \* Paper, \$2.00 per 100; single copy 5c.
- 15280 49. Amebiasis. [Revised 1966.] [1966.] 6 p. narrow 8° ([Publication 157.]) \* Paper, \$2.50 per 100; single copy, 5c.
- 15281 82. Hepatitis. [Revised 1966.] [1966.] [4] p. narrow 8° ([Publication 446.]) \* Paper, \$2.00 per 100; single copy, 5c.

# GOVERNMENT PUBLICATIONS

Hospital and medical facilities series (under Hill-Burton program) : Category C, Organization and administration. (Division of Hospital and Medical Facilities.) ● Item 486-D

- 15282 C-12. Administrative aspects of hospital central medical and surgical supply services [articles, with lists of references; by Marie M. Lech and others]. [Mar. 1966.] vii+37 p. il. 4° ([Publication 930-C-12.]) \* Paper, 30c.  
L.C. card 66-62520 FS 2.74/3 : C-12

—Category F, Reports, analysis. (Division of Hospital and Medical Facilities, Program Planning and Analysis Branch.) ● Item 486-D  
L.C. card 56-4525

- 15283 F-7. Proceedings, 1965 conference Hill-Burton and mental retardation construction authorities with Surgeon General, Oct. 14-15, 1965, Chicago, Ill. [Apr. 1966.] vi+52 p. il. 4° ([Publication 930-F-7.]) \* Paper, 40c.  
FS 2.74/3 : F-7

- 15284 Indian health highlights; [by the staff, Office of Program Planning and Evaluation, Program Analysis and Statistics Branch]. 1966 edition. June 1966. xxii+65 p. il. 4° (Bureau of Medical Services; Division Indian Health.) † ● Item 485  
L.C. card 59-62420 FS 2.2 : In 25/9/965

- 15285 Inventory of interstate carrier water supplies by States and Public Health Service regions, Aug. 1966. [1966.] [40] p. oblong 12° ([Publication 1116]; Division of Environmental Engineering and Food Protection.) [Supersedes inventory of July 1963.] † ● Item 485  
L.C. card 66-62457 FS 2.2 : C 23/966

- 15286 List of health information leaflets and pamphlets of Public Health Service [Revised July 1966.] [1966.] [10] p. narrow 8° † ● Item 481-A  
FS 2.24 : In 3/966-2

- 15287 Medical rehabilitation, new program activity of Public Health Service. [June 1966.] [4] p. narrow 8° ([Publication 1492; Division of Chronic Diseases.]) † ● Item 485 FS 2.2 : R 26/4

- 15288 Mental health research grant awards, fiscal year 1965; prepared by Program Analysis Section, Research Grants Branch, National Institute of Mental Health. [1966.] v+64 p. (Publication 1346, pt. 1, supp. A.) \* Paper, 25c. ● Item 507-D  
L.C. card 66-61738 FS 2.22/7 : 965/pt. 1/supp. A

National Cancer Institute monograph. ● Item 507-L

- 15289 21. Development of zonal centrifuges and ancillary systems for tissue fractionation and analysis [articles, with lists of references; edited by Norman G. Anderson]. June 1966. x+526+[14] p. il. large 8° (National Cancer Institute.) [Research performed under joint National Institutes of Health-Atomic Energy Commission Zonal Centrifuge Development Program, supported by Atomic Energy Commission, National Cancer Institute, and National Institute of Allergy and Infectious Diseases.] \* Cloth, \$4.75.  
FS 2.22/18 : 21

- 15290 National Institute of Mental Health student research stipend program in social work, followup survey; [by] Franklin N. Arnhoff, Beatrice M. Shriver, [and] Milton Wittman. [1966.] [2]+10 p. (Publication 1463; Manpower and Training Program, National Institute of Mental Health, National Institutes of Health.) \* Paper, 15c. ● Item 507  
FS 2.22 : So 1/3

- 15291 National Institutes of Health almanac; prepared by Office of Research Information, NIH, Bethesda, Md. [1966.] vi+120 p. 4° † ● Item 507  
L.C. card 66-62557 FS 2.22 : A 1 6/966

- 15292 Operation SAM, systems analysis module for development of comprehensive Indian health program, PHS Indian Health Center, Tucson [Tucson], Ariz. [1966.] cover title, [8] p. il. 4° (Division of Indian Health.) [Text on p. 2 of cover.] † ● Item 485 FS 2.2 : Sa 4

- 15293 Performance of positive crankcase ventilation systems on automobiles in Cincinnati, Ohio, report 2 [with list of references; by] William A Cote. Mar. 1966. [2]+7+[6] leaves, 4° † FS 2.2 : Au 8

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- 15294 Proceedings, Conference on Methodological Approaches to Population Studies in Diabetes, Oct. 1-2, 1964, National Institutes of Health, Bethesda, Md., sponsored by National Institute of Arthritis and Metabolic Diseases, National Institutes of Health, and Diabetes and Arthritis Program, Division of Chronic Diseases, Bureau of States Services, Community Health; editor, James W. Pratt. [1966.] vii+232 p. il. 4° ([Publication 1486.]) \* Paper, \$1.25. ● Item 507  
L.C. card 66-62228 FS 2.22: D 54
- 15295 Proceedings of 4th annual conference, Mental health career development program, Mar. 27-30, 1965, New Orleans, La. [1966.] iv+86 p. il. 4° ([Publication 1450.]) † ● Item 507-A-7 FS 2.22/45: 965
- 15296 Proceedings of Public Health Service cooperative studies: Renal disease and hypertension, v. 3, 5th annual conferences, May 1966, Atlantic City, N.J. and Baltimore, Md. [1966.] x+165 p. 4° (Bureau of Medical Services, Division of Hospitals.) † ● Item 485 FS 2.2: R 29/2/v. 3
- 15297 Proceedings of workshop on television ophthalmoscopy, sponsored by section on Ophthalmic Field and developmental Research, Epidemiology Branch, National Institute of Neurological Diseases and Blindness; edited by G. R. Williams, J. T. Schwartz. [1966.] viii+150 p. il. 4° ([Publication 1490.]) [Title on cover is: Television ophthalmoscopy, proceedings of NINDB workshop 1965.] \* Paper, \$1.00. ● Item 507  
L.C. card 66-62225 FS 2.22: Op 2
- 15298 Procedures for testing pasteurization equipment. [1966 revision.] [1966.] [4]+58 p. il. ([Publication 731]; Division of Environmental Engineering and Food Protection, Milk and Food Branch.) \* Paper, 25c. ● Item 496-A  
L.C. card 66-62517 FS 2.6/2: P 26/2
- 15299 Public Health Service film catalog 1966. [Revised Mar. 1966.] [1966.] xi+[8]+1-22f, 23-99 p. il. 4° ([Publication 776.]) [Supersedes all previous editions.] \* Paper, \$1.00. ● Item 497-A  
L.C. card 60-61867 FS 2.36/2: 966
- 15300 Radiological Health Mobile Training Laboratory. [1966.] [6] p. il. narrow 8° ([Publication 1475.]) † ● Item 485 FS 2.2: R 11/15
- Research profile. ● Item 507-A-6
- 15301 7. Summary of progress in neuromuscular disorders; [prepared by Information Office, National Institute of Neurological Diseases and Blindness, National Institutes of Health.] [Revised 1966.] 1966. v+11 p. il. ([Publication 1159.]) [Included in annual statement made to Congress of United States by Director of National Institute of Neurological Diseases and Blindness.] \* Paper, 15c.  
L.C. card 66-60544 FS 2.22/43: 7/3
- 15302 School health program, outline for school and community. [Revised Aug. 1966.] [1966.] 8 p. narrow 8° ([Publication 834.]) [Prepared in cooperation with Children's Bureau and Office of Education.] \* Paper, 5c. ● Item 485 FS 2.2: Sch 6/2/966
- 15303 Survey of general hospitals admitting psychiatric patients; by Raymond Giesler, Peter L. Hurley, Philip H. Person, Jr. [1966.] [21]+12 p. 4° ([Publication 1462]; National Institutes of Health, National Institute of Mental Health.) [Published by National Clearinghouse for Mental Health Information.] \* Paper, 15c. ● Item 507  
L.C. card 66-62500 FS 2.22: P 95/15
- 15304 [This entry number not used.]
- Vital and health statistics: Series 2, Data evaluation and methods research. (National Center for Health Statistics.) ● Item 500-E
- 15305 18. Interview response on health insurance compared with insurance records, United States, 1960. Aug. 1966. [4]+43 p. 4° ([Publication 1000, series, 2, no. 18.]) \* Paper, 35c.  
L.C. card 66-60071 FS 2.85/2: 2/no. 18



Vital and health statistics: Series 10, Data from National Health Survey.  
(National Center for Health Statistics.) ● Item 500-E

- 15306 31. Proportion of surgical bill paid by insurance, surgical patients discharged from short-stay hospitals, United States, July 1963-June 1964; [by Mary M. Hannaford]. Sept. 1966. [4]+40 p. il. 4° ([Publication 1000, series 10, no. 31; Division of Health Interview Statistics.]) \* Paper, 35c  
L.C. card 66-61301 FS 2.85/2: 10/no. 31

— Series 11, Data from National Health Survey. (National Center for Health Statistics.) ● Item 500-E FS 2.85/2: 11/no. (nos.)

- 15307 15. Prevalence of osteoarthritis in adults by age, sex, race, and geographic area, United States, 1960-62 [with list of references; by Jean Roberts and Thomas A. Burch]. June 1966. [4]+27 p. il. 4° ([Publication 1000, series 11, no. 15; Division of Health Examination Statistics.]) \* Paper, 25c.  
L.C. card 66-60077
- 15308 17. Rheumatoid arthritis in adults, United States, 1960-62 [with list of references; by Arnold Engel, Jean Roberts, and Thomas A. Burch]. Sept. 1966. [4]+43 p. il. 4° ([Publication 1000, series 11, no. 17.]) \* Paper, 35c.  
L.C. card 66-60079
- 15309 18. Blood glucose levels in adults, United States, 1960-62 [with list of references; by Caroline C. Garst]. Sept. 1966. [4]+25 p. 4° ([Publication 1000, series 11, no. 18; Division of Health Examination Statistics.]) \* Paper, 25c.  
L.C. card 66-61303

— Series 12, Data from National Health Survey. (National Center for Health Statistics.) Item 500-E

- 15310 5. Employees in nursing and personal care homes, United States, May-June 1964 [with list of references; by Carl A. Taube]. Sept. 1966. [4]+24 p. il. 4° ([Publication 1000, series 12, no. 5, Division of Health Records Statistics.]) \* Paper, 30c.  
L.C. card 66-61304 FS 2.85/2: 12/no. 5
- 15311 We can help clear the air, Jaycee community action program. [1966.] [2] p. il. 4° [Reprinted with permission from Junior Chamber of Commerce publication, ACTION of May-June 1966.] † FS 2.2: Ai 7/40
- 15312 Working with older people, guide to practice; v. 1, Practitioner and the elderly [with lists of references]; prepared by Gerontological Society, St. Louis, Mo., [Aug. 1966.] [12]+52 p. ([Publication 1459, v. 1]; Division of Chronic Diseases, Gerontology Branch.) [Prepared under contract PH 86-63-184. Text on p. 2 of cover.] \* Paper, 40c. ● Item 496-A  
L.C. card 66-62516 FS 2.6/2: 01 1/v. 1

PUBLIC ROADS BUREAU, Commerce Dept.  
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- 15313 Bibliography on right-of-way acquisition [Jan. 1964], supp. 1; [compiled by Dawn E. Willis and Eugene H. Beck]. July 1966. cover title, [2]+27 p. 4° (Library.) †  
L.C. card 64-61061 C 37.28: R 44/supp. 1
- 15314 Conference on improved highway engineering productivity, Columbus, Ohio, May 3-4, 1966, proceedings; sponsored by American Association of State Highway Officials, Subcommittee on Electronics, in cooperation with Department of Commerce, Bureau of Public Roads, [and] Ohio Department of Highways. [1966.] v+257 p. il. 4° † ● Item 265  
L.C. card 66-62370 C 37.2: En 3/3/966
- 15315 Labor compliance manual, 2d edition, amdt. 1. Mar. 1, 1966. [160] p. 4° [Issued in looseleaf form.] \* Paper, \$1.00. ● Item 265-A  
L.C. card 65-62679 C 37.6/2: L 11/2/965/amdt. 1
- 15316 Remarks by Federal Highway Administrator Rex M. Whitton, prepared for delivery before Public Affairs Luncheon of Omaha Chamber of Commerce, Omaha, Nebr., Aug. 24, 1966. 1966. 8 p. 4° † C 37.21: W 61/21

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RENEGOTIATION BOARD  
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- 15318 [Renegotiation ruling 103 (revised) and 129, and index to Renegotiation rulings and Renegotiation bulletins; Apr. 19, 1966.] [1966.] 4+[3] p. 4° [Includes Table of citations. Issued in looseleaf form.] \* Paper, 10c. ● Item 308 RnB 1.6/5: 103/2, 129

RURAL ELECTRIFICATION ADMINISTRATION, Agriculture Dept.  
Washington, D.C. 20250

- 15319 List of materials acceptable for use on systems of REA electrification borrowers. July 1966. cover title, vii+[278] p. il. 4° (REA bulletin 43-5.) [Issued in looseleaf form. Supersedes all preceding issues including revisions.] \* Paper, \$1.50 a yr. (including basic issue and one semiannual supplement), 25c. additional for foreign mailing. ● Item 116-A  
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SCIENCE INFORMATION SERVICE OFFICE, National Science  
Foundation, Washington, D.C. 20550

- 15320 Current research and development in scientific documentation no. 14 [with lists of references]. 1966. viii+662 p. (NSF-66-17.) [Compiled with contractual assistance of Herner & Co., Washington, D.C.] \* Paper, \$2.00. ● Item 834-K  
L.C. card 58-2427 NS 2.10: 14

SECURITIES AND EXCHANGE COMMISSION  
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- 15321 Directory of companies filing annual reports with Securities and Exchange Commission under Securities exchange act of 1934, alphabetically and by industry groups, 1965. cover title, ix+237 p. 4° ([Office of Policy Research.]) \* Paper, \$1.50. ● Item 903-A  
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Washington, D.C. 20435

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- 15323 Export marketing for smaller firms [with bibliography of information sources]; prepared by International Marketing Institute. 2d edition. 1966. [5]+vi+80 p. 4° \* Paper, 50c. ● Item 901-P  
L.C. card 66-62372 SBA 1.19: Ex 7/966

Small business bibliography. ● Item 901-K

- 15324 31. Retail credit and collections; by Fred W. Kniffin. Apr. 1966 revision. [1966.] 8 p. 4° †  
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- 15325 [Strengthening free enterprise], 1965 annual report to President and Congress. [1966.] cover title, v+79 p. il. 4° ([Reference no. OP1-21.])  
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## SOCIAL SECURITY ADMINISTRATION, Health, Education, and Welfare Dept., Washington, D.C. 20201

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- 15331 9. Independent health insurance plans, 1965; prepared by Louis S. Reed and Kathleen Myers. Aug. 23, 1966. 12 p. 4° † (Office of Research and statistics.) † FS 3.28/2:966/9  
15332 Social security farm statistics, 1955-63, farmers and farm workers under old-age, survivors, disability, and health insurance. [June 1966.] cover title, [1]+34 p. 4° (Office of Research and Statistics, RS:S-7.) [Includes data for 1955 and 1960-63 and some preliminary estimates for 1964. Data for 1956-59 are available in Social security farm statistics 1955-61.] †  
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## SOIL CONSERVATION SERVICE, Agriculture Dept. Washington, D.C. 20250

- 15333 Soil conservation districts, status of organization, by States, approximate acreage, and farms in organized districts. July 1, 1966. [7] leaves il. 4° [Issued with perforations.] †  
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### Soil survey series 1960. ● Item 102 (Rev. 1957).

- 15334 30. Berkeley County, W. Va. [with list of literature cited; by John L. Gorman, J. K. Pasto, and C. D. Crocker]. May 1966. cover title, i+141 p. il. 36 p. of pl. and maps, 2 tab. 4° [Prepared in cooperation with West Virginia Agricultural Experiment Station. Text on p. 2 of cover. One map is colored.] \* Paper, \$2.50  
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15335 Soil survey: Somerset County, Md. [with list of literature cited; by Earle D. Matthews and Richard L. Hall]. July 1966. cover title, ii+90 p. il. 56 p. of pl. and maps. 1 tab. 4° [Prepared in cooperation with Maryland Agricultural Experiment Station.] \* Paper, \$3.00. ● Item 102 (Rev. 1957).  
L.C. card Agr 66-291 A 57.38: So 5

## STATE DEPARTMENT Washington, D.C. 20520

- 15336 Arms control and disarmament, studies in progress or recently completed [ACD-7]; compiled by Dallas Lloyd. May 1966. [4]+50 p. 4° (Office of External Research; [Bureau of Intelligence and Research].) [Semi-annual. Compiled for Arms Control and Disarmament Agency. Includes Form DSP-79, Arms control research survey card.] † (Available to libraries, scholars, and universities only). S 1.117/5:7

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Background notes. ([Office of Media Services, Bureau of Public Affairs.])  
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Geographic report; issued by the Geographer.

- 15341 10. South America, civil divisions. Sept. 1, 1966. cover title, [2]+29 p. il. 4° ([Bureau of Intelligence and Research, Office of Research in Economics and Science.]) [Some illustrations are colored.] ‡ S 1.119 :10

International boundary studies. (Geographer, Office of Research in Economics and Science, Bureau of Intelligence and Research.) ‡  
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- 15342 68. Argentina-Uruguay boundary. Mar. 30, 1966. cover title, [1]+6 p. 2 maps 4°  
15343 69. Rwanda-Tanzania boundary. May 2, 1966. cover title, [1]+6 leaves, map, 4°

- 15344 Telephone directory, Department of State, Agency for International Development, Arms Control and Disarmament Agency. Aug. 1966. cover title, 153+3 p. il. 4° (Dudley 3 or code 182, Dudley 2 or code 128.)  
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- 15376 Chickens, number raised, 1966. July 21, 1966. [2] p. 4° (Pou 2-2 (7-66); Crop Reporting Board.) † A 92.9/7: 966
- 15377 Cranberries, indicated production, Aug. 15, 1966. Aug. 23, 1966. 1 p. 4° (SpCr 1 (8-66); Crop Reporting Board.) † A 92.11/6: 966
- 15378 Crop & Livestock reports, 100 years, 1866-1966, Federal-State Crop and Livestock Reporting Service, chronology of development and progress; [by S. R. Newell]. [May 1966.] [1]+8 p. 4° † A 92.2: C 88/2
- 15379 Fruits, noncitrus by States, 1964 and 1965, production, use and value: pt. 1, apricots, bush berries, cherries, figs, grapes, nectarines, peaches, pears, persimmons, plums, pomegranates, prunes. May 1966. 23 p. 4° (FrNt 2-1 (5-66); Crop Reporting Board.) † A 92.11/2: 964-65/pt.1
- 15380 Honey production. June 26, 1966. [2] p. 4° (Hny (7-66); Crop Reporting Board.) † A 92.28/2: 966
- 15381 Irish potatoes, utilization of 1965 crop with comparisons. Sept. 8, 1966. 3 p. 4° (Pot 1-3 (9-66); Crop Reporting Board.) † A 92.11/5: 965
- 15382 Pig crop report, June 1966. June 22, 1966. 15 p. 4° (MtAn 4 (6-66); Crop Reporting Board.) † A 92.18/7: 966-2
- SRS (series).
- 15383 9. Number of feedlots by size groups and number of fed cattle marketed, 1962-64. June 1966. 7 p. 4° (Crop Reporting Board.) † A 92.34: 9

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# GOVERNMENT PUBLICATIONS

## SYSTEMS RESEARCH AND DEVELOPMENT SERVICE, Federal Aviation Agency, Washington, D.C. 20553

### Report.

- 15384 RD-66-21. Technical report system description: Modernized weather teletype-writer communication system. Mar. 1966. title, lx+77+[4] p. il. 4° ([Communications Development Division]; sub-program no. 233-001.) ‡ FAA 2.S/2: RD-66-21

## TARIFF COMMISSION Washington, D.C. 20436

- 15385 In-the-ear hearing aids, report on investigation no. 337-20, under provisions of sec. 337 of Tariff act of 1930, as amended. July 1966. cover title, [1]+34 leaves, 4° (TC publication 182; [TC25457].) † TC 1.2: H 35
- 15386 Steel jacks from Canada, determination of likelihood of injury in investigation no. AA 1921-49, under Antidumping act 1921, as amended. Aug. 1966. cover title, 8 leaves, 4° (TC publication 186.) †  
TC 1.31/2: St 3/3
- 15387 Tariff Commission submits report to Automotive Agreement Adjustment Assistance Board in adjustment assistance case pertaining to certain workers of Fram Corporation. Aug. 10, 1966. [1]+4 leaves, 4° (TC publication 184; APTA-W-3.) † TC 1.2: Au 8
- 15388 Wilton, Brussels, velvet, and tapestry carpets and rugs, report to the President (no. TEA-IR-5-66), under sec. 351 (d) (1) of Trade expansion act of 1962. Sept. 1966. cover title, [1]+16 leaves, 4° (TC publication 187; [TC28827].) †  
L.C. card 62-60302 TC 1.2: C 22/966

## TENNESSEE VALLEY AUTHORITY Washington, D.C. 20444

- 15389 Flood damage prevention, indexed bibliography. 4th edition. May 1966. [2]+37 p. il. (Technical Library.) †  
L.C. card 66-62558 Y 3.T 25: 31 F 65/966
- 15390 Inventory of land and its use by major land resource areas in Tennessee Valley; [by Wesley G. Smith and John M. Soileau]. Apr. 1966. 59 p. il. map, 4° (T66-2AE; National Fertilizer Development Center.) [Page 59, last page of text, is on inside of back cover. Map is separate.] †  
Y 3.T 25: 2 L 22
- 15391 TVA tames river [with list of selected references for further reading]. [Apr. 1966.] [2]+22 p. il. † Y 3.T 25: 2 T 25/28/966

## TREASURY DEPARTMENT Washington, D.C. 20220

- 15392 Current tax developments, remarks by Stanley S. Surrey, Assistant Secretary of Treasury before Section of Taxation, American Bar Association, Montreal, Canada, Aug. 6, 1966. 1966. 23 leaves, 4° (FF-568.) †  
T 1.31: Su 7/18
- Department circulars. (Fiscal Service, Bureau of Accounts.) †  
T 1.4/2: (nos.)
- 15393 176. Regulations governing deposit of public moneys and payment of Government checks, revised Dec. 1945, 15th amendment. Aug. 25, 1966. 1 p. 4°
- 15394 677. Voluntary payroll savings plan for purchase of United States savings bonds by employees of United States Government, rescission. 2d revision. Apr. 29, 1966. 1 p. 4°
- 15395 918. Regulations governing withholding for State and territorial income tax purposes, on compensation of Federal employees under act of July 17, 1952, rescission. Apr. 29, 1966. 1 p. 4°
- 15396 979. Regulations governing withholding for District of Columbia income tax purposes, on compensation of Federal employees, under act of Mar. 31, 1956, rescission. Apr. 29, 1966. 1 p. 4°
- 15397 1074. Regulations governing allotments of pay for certain State income tax withholding purposes under act of Sept. 26, 1961 (Public law 87-304), rescission. Apr. 29, 1966. 1 p. 4°

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- 15398 Foreign funds control, regulations and related documents, May 19, 1966. [1966.] cover title, i+22 p. 4° † ● Item 926 T 1.10: F 76/966
- 15399 President's program for national economic responsibility, remarks of Joseph W. Barr, Under Secretary of Treasury, at international annual meeting of Pharmaceutical Manufacturers Association at Gaylord, Mich., Sept. 13, 1966. 1966. 9 p. 4° (F-615.) † T 1.31: B 27/17
- 15400 Remarks by Joseph W. Barr, Under Secretary of Treasury at ceremonies marking deposit of United States Instrument of ratification of Asian Development Bank at United Nations, Aug. 16, 1966. 1966. 3 p. 4° (F-586.) † T 1.31: B 27/16

## UNITED STATES TRAVEL SERVICE, Commerce Dept. Washington, D.C. 20230

- 15401 Bienvenidos a los Estados Unidos de Norte America. [1966.] cover title, 12 p. il. 16° [Text on p. 2-4 of cover.] † C 47.2: W 44/Spanish
- 15402 Bienvenue aux Estats-Unis! [1966.] cover title, 12 p. il. 16° [Text on p. 2-4 of cover.] † C 47.2: W 44/French
- 15403 Datos informativos sobre Estados Unidos, entrada, compras, viajes, alojamiento, propinas, comidas, diversiones, museos. [1966.] 40 p. il. 4°, folded into narrow 8° size. ([U.S.T.S.-102-S.]) † C 47.2: D 62/Spanish
- 15404 Direction: U.S.A., arrivee, achats, déplacements, pourboires, logement, repas, loisirs, museos. [1966.] 40 p. il. 4°, folded into narrow 8° size. ([U.S.T.S.-102-F.]) † C 47.2: D 62/French
- U.S.T.S. [colored poster series]. 1966. ‡ C 47.10/2: (nos.-letters)
- 15405 117-A-G. Reisen sie in eine neue welt, besuchen sie die USA: Totempfad der Haida-Indianer, Saxman im Staat Alaska. 30 x 20 in.
- 15406 117-A-S. Viaje por un nuevo mundo, visite los Estados Unidos: Poste totemico Indio Haida en Saxman, Estado de Alaska. 30 x 20 in.
- 15407 117-F. Decouvrez un nouveau monde, visitez les Etats-Unis: Mat de totem des Indiens Haida, Saxman, Etat d' Alaska. 40 x 25 in.
- 15408 117-S. Viaje por un nuevo mundo, visite los Estados Unidos: Poste totemico Indio Haida en Saxman, Estado de Alaska. 40 x 25 in.
- 15409 121-A-S. Viaje por un nuevo mundo, visite los Estados Unidos: Curandero de la tribu Shoshone, Thermopolis, Estado de Wyoming. 30 x 20 in.
- 15410 121-F. Decouvrez un nouveau monde, visitez les Etats-Unis: Sorcier Indien de la tribu Shoshone, Thermopolis, Etat du Wyoming. 40 x 25 in.
- 15411 Wegwijzer, U.S.A., aankomst, winkelen, reizen, fooien, logeer-gelegenheden, eet-gelegenheden, ontspanning, musea. [1966.] 40 p. il. 4°, folded into narrow 8° size. ([U.S.T.S.-102-D.]) † C 47.2: D 62/Dutch

## URBAN RENEWAL ADMINISTRATION, Housing and Urban Development Dept., Washington, D.C. 20410

- 15412 Urban renewal project characteristics, Dec. 31, 1965. [1966.] cover title, 63 p. 4° [Relates to title 3, Housing act of 1954, and title 1, Housing act of 1949.] † L.C. card 56-63831 HH 7.8: 965-2

## VETERANS ADMINISTRATION Washington, D.C. 20420

- 15413 Medical research program 1965, synopsis. [1966.] cover title, ii+25 p. 4° (Research Service, Department of Medicine and Surgery.) [Issued with perforations.] † ● Item 987-B VA 1.43/4: 965
- L.C. card 66-62437
- VA pamphlet. ● Item 988
- 15414 05-34. Count your benefits. Revised July 1966. [1966.] [11]+9 p. il. 4° (Office of Assistant Administrator for Personnel.) † VA 1.19: 05-34/2

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# GOVERNMENT PUBLICATIONS

## VOCATIONAL REHABILITATION ADMINISTRATION, Health, Education, and Welfare Dept., Washington, D.C. 20201

- 15415 Alcoholism and vocational rehabilitation, proceedings of workshop held in Chicago, Ill., Jan. 6-7, 1965, Vocational Rehabilitation Administration, North American Association of Alcoholism Programs. [1966.] v+78 p. il. \* Paper, 35c. • Item 529  
L.C. card 66-62379 FS 13.202: A11

## WAGE AND HOUR AND PUBLIC CONTRACTS DIVISIONS, Labor Dept., Washington, D.C. 20210

- 15416 List of publications. May 1966. [4] p. narrow 8° (WHPC publication 1153.) † • Item 775-A L 22.32: P 96/966  
Questions and answers QA-IND (series).  
15417 12. Sheltered workshops under Fair labor standards act and Walsh-Healey public contracts act. May 1966. [5]+37 p. 4° (WHPC publication 1129.) †  
• Item 778-C L 22.30: 12/3

## WEATHER BUREAU, Commerce Dept. Washington, D.C. 20235

- 15418 Coastal warning facilities chart: Eastport, Me. to Montauk Point, N.Y., 1966. Scale 50 naut.m.=1.8 in. [1966.] 12 x 19 in. [Broadcast schedules of marine forecasts and warnings on reverse.] \* Paper, 10c.  
L.C. card Map 65-718 C 30.22/3: Ea 7/966  
15419 --- Montauk Point, N.Y. to Manasquan, N.J., 1966. Scale 10 naut.M.=1.3 in. [1966.] 12 x 19 in. [Broadcast schedules of marine forecasts and warnings on reverse.] \* Paper, 10c.  
L.C. card Map 65-718 C 30.22/3: M 76/966

### Hydrometeorological report. • Item 275-A

- 15420 42. Meteorological conditions for probable maximum flood on Yukon River above Rampart, Alaska [with list of references]; prepared by Hydrometeorological Branch, Office of Hydrology. May 1966. vi+97 p. il. 4° \* Paper, 70c. C 30.44: 42

### National Severe Storms Laboratory report.

- 15421 19. Measurements by aircraft of condensed water in Great Plains thunderstorms [with list of references; by] George P. Roys and Edwin Kessler. July 1966. [3]+17 p. il. 4° (Technical note 49.) [Report of former National Severe Storms Project.] † C 30.70/2: 19  
15422 Operations of Weather Bureau. July 1, 1966. x+214 p. il. 4° †  
L.C. card 66-62543 C 30.83: 966  
15423 Small craft, gale and whole gale warning facilities chart: Great Lakes, Huron, Erie & Ontario, 1966. [1966.] Scale: 50 mi.=1.8 in. 12 x 19 in. [Weather broadcast schedules on reverse.] \* Paper, 10c.  
C 30.22/3: G 79/966  
15424 --- Great Lakes, Superior & Michigan, 1966. [1966.] Scale: 50 mi.=1.5 in. 19 x 12 in. [Weather broadcast schedules on reverse.] \* Paper, 10c. C 30.22/3: G 79/2/966

## WELFARE ADMINISTRATION, Health, Education, and Welfare Dept. Washington, D.C. 20201

- 15425 El bienestar social en un mundo en desarrollo, la function del bienestar social en el proceso de desarrollo; por Elizabeth Wickenden. 1966. vii +57 p. ([Publicacion 8.]) [For English edition, see Monthly catalog, Mar. 1965, entry 5476.] \* Paper, 30c. FS 14.2: Sol/3/Spanish  
15426 L'action sociale dans un monde en pleine evolution, la place des affaires sociales dans le processus de developpement; par Elizabeth Wickenden. 1966. viii+61 p. ([Brochure 8.]) [For English edition, see Monthly catalog, Mar. 1965, entry 5476.] \* Paper, 30c. FS 14.2: Sol/3/French

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- 15427 Proceedings of International Congress on Home Help Services held in Koenigstein, Germany, Sept. 1965. [1966.] v+102 p. (WA publication 17.) [English translation.] \* Paper, 35c. ● Item 532-A-1  
L.C. card HEW 66-134 FS 14.2: H 25/2/965
- Welfare research report. ● Item 532-A-5
- 15428 3. Social, psychological, and economic aspects of alcoholism [with bibliography; by] Catherine S. Chilman [and others]. June 1966. [5]+106 p. 4° (Research Division.) †  
L.C. card HEW 66-135 FS 14.14: 3

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- 15429 Report of White House Conference, To Fulfill These Rights, June 1-2, 1966, Washington, D.C. [1966.] vii+177 p. 4° \* Paper, \$1.25. ● Item 1088  
L.C. card 66-62390 Y 3.W 58/15: 1/966

**WOMEN'S BUREAU, Labor Dept.**  
Washington, D.C. 20210

- 15430 Laws on sex discrimination in employment, Federal civil rights act, title 7, State fair employment practices laws. May 1, 1966. cover title, 10 p. 4° ([WB 66-340.]) †  
L 13.2: Em 7/10/966
- 15431 State minimum wage legislation, weapon in war on poverty. June 1966. cover title, 17 p. 4° ([WB 66-419.]) †  
L.C. card 66-62552 L 13.2: M 66/12/966
- 15432 Why women work. [Aug. 1966.] 3 p. 4° ([WB 67-6.]) †  
L 13.2: W 84/44/966
- 15433 Women workers in Wisconsin, 1960. [Revised July 1966.] [1966.] 14 p. 4° ([WB 67-30.]) †  
L.C. card L 64-17 L 13.22: W 75/960-3



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- Blood and the Rh factor. (Public Health Service, Publication 790, Health information series 98, revised.) 15c. ● FS 2.50: 98/2
- Chart book on Governmental finances and employment, 1966. (Census Bureau. GF-7.) 35c. ● C 3.191/2: 7
- College women seven years after graduation, resurvey of women graduates class of 1957. (Women's Bureau, Bulletin 292.) 40c. ● L 13.3: 292
- Community care of the mentally ill. (Public Health Service, Publication 1527, Public health bibliography series 69.) 40c ● FS 2.21: 69
- Concrete manual, manual for control of concrete construction. [7th edition, revised reprint.] (Reclamation Bureau.) \$3.25. ● I 27.19/2: C 74/966
- Cumulated index medicus, vol. 7, 1966. (National Library of Medicine.) \$40.00. ● FS 2.208/4: 7
- Directory of local health units. [Revised 1966.] (Public Health Service, Publication 118.) 30c. ● FS 2.77: 966
- Effects of the March 1964 earthquake on the hydrology of the Anchorage area, Alaska. (Geological Survey, Professional paper 544-B.) 60c. ● I 19.16: 544-B
- Elementary rehabilitation nursing care. (Public Health Service, Publication 1436.) 55c. ● FS 2.6/2: N 93/10
- FAA air traffic activity, fiscal year 1966. (Federal Aviation Administration.) \$1.00. ● FAA 1.27: 966
- Federal funds for research, development and other scientific activities, no. 15, fiscal year 1965-67. (National Science Foundation, NSF 66-25.) \$1.25. ● NS 1.18: 15
- Geomorphic effects of the earthquake of March 27, 1964. (Geological Survey, Professional paper 543-B.) 30c. ● I 19.16: 543-B
- Handbook for contamination control on the Apollo Program. (National Aeronautics and Space Administration, NHB 5300.3.) \$1.50. ● NAS 1.18: Ap 4/3
- Handbook of psychiatric rating scales, 1950-64. (Public Health Service.) 45c. ● FS 2.22/15: P 95/2
- Healthy teeth. (Public Health Service, Publication 405, Health information series 83, revised.) 15c. ● FS 2.50: 83/3
- How to buy eggs by USDA grades and weight classes. [Revised 1966.] (Agriculture Department, Leaflet 442.) 5c. ● A 1.35: 442/2
- Hydroelectric plant construction cost and annual production expenses 1964. (Federal Power Commission, FPC S 174.) 65c. ● FP 1.21: 174

- Indians of the Great Lakes area. (Indian Affairs Bureau.) 15c. ●  
I 20.51 : G 79
- International defense commitments of the United States. (State Department, Publication 8139, General foreign policy series 215.) 5c. ● S 1.71 : 215
- Language ability, grades seven, eight, and nine. (Education Office, OE-30018.) 50c. ● FS 5.230 : 30018
- Library and reference facilities in the area of the District of Columbia. (Library of Congress.) \$1.00. ● LC 29.2 : L 61/966
- List of lights and other marine aids, vol. 1, Atlantic Coast. [1966 edition.] (Coast Guard, CG-158.) \$3.00. ● T 47.52 : v.1/966
- National Aeronautics and Space Administration 14th semiannual report to Congress, July 1, 1965-Dec. 31, 1965. (National Aeronautics and Space Administration.) \$1.25 ● NAS 1.1 : 965-2
- National income and product income of U.S., 1929-65. (Business Economics Office, Supplement to survey of current business.) \$1.00. ● C 43.8/3 : In 2/4/929-65
- Photographer's mate 3 & 2. (Naval Personnel Bureau, Navy training courses, NavPers 10355.) \$3.75. ● D 208.11 : P 56/6
- Planting black walnut for timber. (Agriculture Department, Leaflet 487, revised.) 5c. ● A 1.35 : 487/2
- Reclamation project data, supplement. (Reclamation Bureau.) \$2.00. ● I 27.2 : P 94/13/961/supp.
- Register of retired commissioned and warrant officers, regular and reserve, of the Navy and Marine Corps, July 1, 1966. (Naval Personnel Bureau, NavPers 15939.) \$3.00. ● D 208.12/3 : 966
- Renegotiation act of 1951 as amended through June 30, 1966. (Renegotiation Board.) 15c. ● RnB 1.5 : R 29/966
- Report of the U.S. delegation to the International Conference for the Eighth Revision of the International Classification of Diseases. (Public Health Service, Publication 1000, Vital and health statistics series 4, no. 6.) 50c. ● FS 2.85/2 : 4/no. 6
- Shell egg grading and inspection of egg products. (Agriculture Department, Marketing bulletin 30, revised.) 15c. ● A 1.95 : 30/2
- Sources of fertilizer minerals in South America. (Geological Survey, Bulletin 1240.) 60c. ● I 19.3 1240
- Summer jobs in Federal agencies. [Revised Nov. 1966.] (Civil Service Commission, Pamphlet 68.) 15c. ● CS 1.48 : 68/2
- Theory of liquids. (Interior Department, Research and development progress report 210.) 25c. ● I 1.88 : 210
- Unit labor cost in manufacturing trends in nine countries, 1950-65. (Labor Statistics Bureau, Bulletin 1518.) 30c. ● L 2.3 : 1518
- United States immigration laws, general information. [Revised 1966.] (Immigration and Naturalization Service.) 15c. ● J 21.5/2 : Im 6/966
- Your federal income tax. [1967 edition.] (Internal Revenue Service, Publication 17.) 50c. ● T 22.44 : 967



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## Abbreviations

add-----	addition, addendum, addenda.	n. d.-----	no date.
amdt., amdts-----	amendment, amendments.	n. p.-----	no place.
app-----	appendix, appendixes.	no., nos-----	number, numbers.
bk., bks-----	book, books.	p-----	page, pages.
chap-----	chapter, chapters.	p. of pl-----	pages of plates.
Cong-----	Congress.	par., pars-----	paragraph, paragraphs.
Dept-----	Department.	pl-----	plate, plates.
doc-----	document.	por-----	portrait, portraits.
facsim-----	facsimile, facsimiles.	pt., pts-----	part, parts.
fy-----	fiscal year.	rp-----	report.
G.H.A-----	Greenwich hour angle.	S-----	Senate, Senate bill.
H-----	House.	S. Con. Res-----	Senate concurrent resolution.
H. Con. Res-----	House concurrent resolution.	S. doc-----	Senate document.
H. doc-----	House document.	S. ex. doc-----	Senate executive document.
H. ex. doc-----	House executive document.	S. ex. rp-----	Senate executive report.
H. J. Res-----	House joint resolution.	S. J. Res-----	Senate joint resolution.
H.R-----	House of Representatives, House bill.	S. Res-----	Senate resolution.
H. Res-----	House resolution.	S. rp-----	Senate report.
H. rp-----	House report.	sec-----	section, sections.
il-----	illustration, illustrations.	sess-----	session, sessions.
in-----	inch, inches.	Stat. L-----	Statutes at large.
lat-----	latitude.	supp-----	supplement.
long-----	longitude.	tab-----	table, tables.
m-----	mile.	Treas-----	Treasury.
		v-----	volume, volumes.
		vs., v-----	versus.

Common abbreviations for the names of States, months, etc., are also used.  
 An explanation of the symbols used to designate sizes of publications is given on the inside of the front cover.

## Explanation

The individual issuing department, bureau, office, or agency is considered the publisher of Government publications.

Words and figures enclosed in brackets [ ] in titles are given for information, but do not appear on the title pages of the publications cataloged. Place and printer are not given for publications printed at the United States Government Printing Office, Washington, D.C., or at Government departmental and field printing plants. The dates given with Senate and House documents and reports are the dates on which they were ordered to be printed. Usually the printing promptly follows the ordering, but various causes sometimes make delays.

Under provisions of the Printing Act of January 12, 1895, all Government publications, except administrative and confidential (or restricted), are entered in the Monthly Catalog.

The L.C. card number appended to some of the entries is for those libraries ordering printed cards from the Library of Congress. The number at the extreme right of an entry indicates the classification of the publication in the Office of the Superintendent of Documents.

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The Superintendent of Documents, Government Printing Office, Washington, D.C., is authorized by law to sell copies of Government publications and to allow a discount of 25 percent to book dealers and also to quantity purchasers of 100 or more copies of a single publication on condition that they will adhere to the public sales price set by the Superintendent of Documents and that publications shall not be overprinted with any advertising matter.

Publications cannot be supplied free to individuals nor forwarded in advance of payment.

## PRICE LIST

There is no general price list of public documents, but numerous lists have been prepared on special subjects and any of these will be furnished free, on application, by subject or subjects concerning which information is desired. It will also be noted that current publications which are for sale are listed in this catalog.

## LIST OF SELECTED PUBLICATIONS

In addition to the price lists, the Documents Office issues a biweekly list of Selected United States Government publications for sale by the Superintendent of Documents. Each list is arranged alphabetically by subjects, with annotations and prices, and may be obtained free upon application to the Superintendent of Documents.

## CONGRESSIONAL BILLS, DOCUMENTS, AND REPORTS

More than 12,000 different bills are usually introduced during a Congress, and there are additional prints on many during the progress of the legislation. With the exception of a very few—such as revenue bills—the demand is an unknown quantity and on most of them we receive no orders, which makes it impossible to print a sales supply. It may be that a copy could be obtained from your Congressman.

A difficult problem is also presented in providing a supply of congressional documents, hearings, and reports because there are approximately 6,000 of this class of publications issued during a Congress and only a few of them are called for. We will attempt to print for sale a few of the more important ones, but if not priced the only possible source would be from your Congressman.



## HOW TO ORDER PUBLICATIONS

Publications entered in this catalog that are for sale by the Superintendent of Documents are indicated by an asterisk (\*) preceeding the price. Those for sale by the Clearinghouse for Federal Scientific and Technical Information, are indicated by a farad (Φ) preceeding the price. A black dot (●) indicates that the publication has been or will be sent to depository libraries. A dagger (†) indicates that application should be made to the department, bureau, or agency issuing the document. A double dagger (‡) indicates that the document is printed for official use and is not obtainable. Whenever additional information concerning the method of procuring a document seems necessary, it will be found under the name of the bureau by which it was published.

In ordering a publication from the Superintendent of Documents, give (if known) the name of the publishing department, bureau, or agency, and the title, together with the classification number which is added to the entry at the extreme right; order the congressional documents and reports by the title, together with the document or report number and the Congress, e.g., H. doc. 103, 88th Congress.

Do not use the L.C. card number in ordering a publication from the Superintendent of Documents.

### HOW TO REMIT

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### LIBRARY CLASSIFICATION IN DOCUMENTS OFFICE

The classification given at the right of entries for departmental publications is that used in the Library of the Division of Public Documents. It is also used as a catalog number for sales stock of this office. The shilling mark (/) separates what would ordinarily be superior or inferior numbers or letters, as it is not practicable to print these numbers or letters as superiors or inferiors in the Monthly Catalog.

# New Classification Numbers

	Soil Conservation Service.
A 57.47 : -51 : Reserved	
A 57.52 : nos-----	Soil survey investigations reports. Consumer and Marketing Service.
A 88.14/12 : date-----	Dairy plants surveyed and approved for USDA grading service (semiannual). Statistical Reporting Service.
A 92.36 : Reserved	
A 92.37 : date-----	Consumption of commercial fertilizers and pri- mary plant nutrients in United States (annual). NOTE.—Designated SpCr 7.
	Census Bureau.
C 3.230/2 : letters-nos-----	Enterprise statistics, preliminary reports. Defense Department.
D 1.39 : Reserved	
D 1.40 : CT-----	Country law studies.
D 7.6/10-2 : nos-----	DSA-DLSC manuals. NOTE.—Issued by Defense Logistics Services Center, Battle Creek, Mich.
	Public Health Service.
FS 2.22/56 : -FS 2.22/57 : Reserved	
FS 2.22/58 : CT-----	National Institutes of Health : Addresses. Welfare Administration.
FS 14.17/3 : CT-----	Legal series.
	Federal Supply Service.
GS 2.10/6 : pt.nos./date-----	GSA stock catalog. NOTES.—See, for earlier classes, GS 2.10/2 : GS 2.10/2-2 : and GS 2.10/4 : (date).
	Mines Bureau.
I 28.112 : date-----	Explosives, annual.
	Federal Water Pollution Control Administration.
I 67.11 : date-----	Sewage and water works construction (annual). NOTE.—See, for earlier class, FS 2.56/2 : (date).
	Women's Bureau.
L 13.6/4 : date-----	Marriage laws (annual). NOTE.—See, for earlier class, I 13.2 : M34/ (date).
L 13.6/5 : date-----	Divorce laws (annual). NOTE.—See, for earlier class, L 13.2 : D64/ (date).
	National Aeronautics and Space Administration.
NAS 1.33 : date-----	Space science and applications program (annual). Economic Opportunity Office.
PrEx 10.16 : v.nos.& nos-----	Advisory, monthly newsletter from Office of National Councils and Organizations to ad- visory councils.
	International Development Agency.
S 18.35/3 : CT-----	Catalog of investment information opportuni- ties index, supplements.
	Smithsonian Institution.
SI 1.22 : nos-----	Publications in salvage archeology.

## Corrections for Previous Monthly Catalogs

- Aug. 1958. Entry 10061, Productivity reports. Correct class to read L 2.34/2 P94/3.
- Aug. 1962. Entry 15626, Inadequate rental rates charged for Government quarters furnished to civilian employees of military departments in Alaska. Correct class to read GA 1.13: R 29/11.
- Sept. 1964. Entry 16927, Women in poverty. Correct class to read L 13.2: P86.
- May 1966. Entry 7991, Division of Indian Health, general practice residency program. Correct Item number to read 485.
- July 1966. Entry 10367, Alaska Highway study report. Correct class to read Y 4.P96/10:A1 1/5.
- Aug. 1966. Entry 11478, Quarterly tax reports GT-5. Correct class to read C 3.145/6: 5.
- Entry 12545, Annual report of Secretary of Treasury on state of finances fiscal year 1965. Add following price ● Item 923.
- Sept. 1966. Entries 12592-12596, Agriculture handbooks. Correct class to read A 1.76:(nos.).
- Entry 12731, Working paper, 24, Self-enumeration as method for 1970 census of housing. Correct price statement to read † Paper, 25c.
- Entry 14003, Vital statistics of United States, 1964, v. 2, Mortality, pt. B. Correct class to read FS 2.112: 964/v.2/pt.B.



# Classified List of Government Authors

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Agriculture Department.....	15540
Agricultural Research Service.....	15434
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Consumer and Marketing Service.....	16199
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# Monthly Catalog

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## AGRICULTURAL RESEARCH SERVICE, Agriculture Dept. Washington, D.C. 20250

### ARS (series). †

- 15434 52-15. Unloading boxcars of grain at terminal elevators in hard winter wheat area; [by Albert H. Graves and Dean W. Winter]. Aug. 1966. 26 p. il. 4° (Agricultural Research Service; [Transportation and Facilities Research Division].) [Prepared in cooperation with Kansas Agricultural Experiment Station.]  
L.C. card Agr 66-337 A 77.15: 52-15

### Conservation research report. • Item 25-D

- 15435 8. Hydrology, conservation, and management of runoff water in playas on southern High Plains [with list of literature cited; by Victor L. Hauser]. [Aug. 1966.] [2]+26 p. il. [Prepared in cooperation with Texas Agricultural Experiment Station.] \* Paper, 15c.  
L.C. card Agr. 66-320 A 77.23: 8

- 15436 Evaluation of antibiotics for control of Comandra rust on lodgepole pine [with list of literature cited; by] J. W. Koenigs. [1966.] p. 528-531, il. 4° [From Plant disease reporter, v. 50, no. 7, July 1966.] †  
A 77.511/a: An 87

- 15437 Publications and patents, Eastern Utilization Research and Development Division, publication nos. 2351-2453, Jan.-June 1966. [July 1966.] 31 p. 4° †  
A 77.17/4: 966

### USDA consumer expenditure survey report. • Item 26-B

- 15438 31. Consumer expenditures and income, rural farm population, northeastern region, 1961, detailed tabulations (table 29). [July 1966.] cover title, ii+94 p. 4° [Statistical reports from Survey of consumer expenditures with CES and BLS numbers inside back cover.] \* Paper, 50c.  
A 77.22: 31

## AGRICULTURAL STABILIZATION AND CONSERVATION SERVICE, Agriculture Dept., Washington, D.C. 20250

- 15439 ASCS aerial photography status maps, as of June 30, 1966. [1966.] cover title, [102] p. il. 4° (Aerial Photography Division.) [Issued with perforations.] †  
A 82.2: Ae 8/966

## AGRICULTURE DEPARTMENT Washington, D.C. 20250

NOTE.—Requests to the Department of Agriculture for publications should include the USDA number if given in the entry.

### Agriculture handbook. • Item 3

- 15440 302. Soybean diseases; [by J. M. Dunleavy, D. W. Chamberlain, and J. P. Ross]. [July 1966.] ii+38 p. il. (Agricultural Research Service.) [Supercedes Circular 931, Diseases of soybeans. Some illustrations are colored.] \* Paper, 30c.  
L.C. card Agr 66-288 A 1.76: 302

### Agriculture information bulletin. • Item 4

- 15441 314. Balance sheet of Agriculture 1966; [prepared by Philip T. Allen and others]. [Sept. 1966.] [3]+27 p. il. 4° (Economic Research Service.) \* Paper, 20c.  
L.C. card Agr 45-296 A 1.75: 314

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Commerce, Springfield, Va. 22151

●Sent to Depository Libraries

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# GOVERNMENT PUBLICATIONS

## Farmers' bulletins. ● Item 9

A 1.9: (nos.)

- 15442 2124. Liming soils, aid to better farming; [by Colin W. Whittaker, M. S. Anderson, and R. F. Reitemeier]. [June 1959, slightly revised July 1966.] [1966.] 32 p. il. ([Soil and Water Conservation Research Division, Agricultural Research Service.]) [Supersedes Farmers' bulletin 2032, Liming soils for better farming.] \* Paper, 15c.
- 15443 2140. Strawberry diseases; [by John R. McGrew]. [Revised July 1966.] [1966.] 28 p. il. ([Crops Research Division, Agricultural Research Division.]) \* Paper, 15c.  
L.C. card Agr. 66-310
- 15444 2216. Culling hens; [prepared by Animal Husbandry Research Division, Agricultural Research Service]. [June 1966.] ii+10 p. il. [Supersedes Leaflet 465, Culling hens, way to increase egg profits.] \* Paper, 20c.  
L.C. card Agr. 66-246

## Home and garden bulletin. ● Item 11

- 15445 116. Growing vegetables in Appalachian region. [July 1966, slightly revised Oct. 1966.] [1966.] ii+22 p. il. [Information from publications of Crops Research Division, Agricultural Research Service, and from consultation with county agricultural agents and staff members of State agencies of Appalachian region.] \* Paper, 15c.  
A 1.77: 116/2

## Leaflets. ● Item 12

A 1.35: (nos.)

- 15446 538. Dairy goat for home milk production; [prepared by Animal Husbandry Research Division, Agricultural Research Service.] [July 1966, slightly revised Oct. 1966.] [1966.] 8 p. il. †
- 15447 543. Appalachian hillside pasture. [July 1966, slightly revised Oct. 1966.] [1966.] 4 p. narrow 8° [Prepared from information supplied by Crops Research Division, Agricultural Research Service.] \* Paper, 5c.  
L.C. card Agr 66-343

## Marketing research reports. ● Item 13-B

A 1.82: (nos.)

- 15448 755. Hog slaughtering and dressing systems; [by Donald R. Hammons]. [Sept. 1966.] [2]+24 p. il. 4° (Agricultural Research Service.) [Prepared in cooperation with Oklahoma Agricultural Experiment Station.] \* Paper, 20c.  
L.C. card Agr 66-333
- 15449 765. Homemakers' use of and opinions about selected fruits and fruit products; [by L. Yvonne Clayton]. [Aug. 1966.] cover title, ii-iv+78 p. il. 4° (Statistical Reporting Service.) †  
L.C. card Agr 66-334

## Miscellaneous publications. ● Item 13-A

A 1.38: (nos.)

- 15450 856. Food costs, retail prices, farm prices, marketing spreads. [Revised Sept. 1966.] [1966.] 16 p. il. (Economic Research Service.) \* Paper, 10c.
- 15451 959. Consumer's guide to USDA services [with lists of more information]. [Mar. 1964, revised June 1966.] [1966.] cover title, 48 p. il. [Text on p. 2 and 3 of cover.] \* Paper, 20c.
- 15452 1020. House-framing system for low-cost construction; [by Jerry O. Newman]. [Aug. 1966.] 18 p. il. 4° (Agricultural Research Service.) \* Paper, 15c.  
L.C. card Agr 66-335
- 15453 1023. Circular concrete manure tank. July 1966. [2] p. il. 4° (Cooperative farm building plan exchange; plan 5984.) \* Paper, 5c.
- 15454 1029. Saddle horse barn. Aug. 1966. [2] p. il. 4° (Cooperative farm building plan exchange; plan 5994.) \* Paper, 5c.
- 15455 1032. Roadside stand. Sept. 1966. [2] p. il. 4° (Cooperative farm building plan exchange; plan 5983.) \* Paper, 5c.
- 15456 1035. Cattle dipping vat & inspection facility. Sept. 1966. [2] p. il. 4° (Cooperative farm building plan exchange; plan 5940.) \* Paper, 5c.

## PA [program aid] (series). ● Item 14-A

A 1.68: (nos.)

- 15457 744. What food means to people, guide for program aides in home economics. Aug. 1966. [2] p. 4° (Division of Home Economics, Federal Extension Service.) †
- 15458 745. Bread and cereals, golden nuggets, guide for program aides in home economics. Aug. 1966. [2] p. 4° (Division of Home Economics, Federal Extension Services.) †
- 15459 750. School lunches, billion-dollar market for food. [Oct. 1966.] [2]+8+[2] p. il. (Consumer and Marketing Service.) [Last page of text appears on p. 3 of cover.] \* Paper, 10c.
- 15460 781. Department of Agriculture's role in resource conservation. Oct. 1966. 16 p. il. (Office of Information.) \* Paper, 10c  
L.C. card Agr 66-344

## Picture stories. †

A 1.100: (nos.)

- 15461 161. Food for peace from people of United States. Jan. 1964. [6] p. il. 4° (Office of Information.)
- 15462 168. Behind pesticide label. July 1964. [8] p. il. 4° (Agricultural Research Service.)
- 15463 171. How much is she worth? Sept. 1964. [4] p. il. 4° (Agricultural Marketing Service.)
- 15464 172. First line of defense against screwworm invasion. Jan. 1965. [4] p. il. 4° (Agricultural Research Service.)
- 15465 176. Market news by wireless. Feb. 1965. [4] p. il. 4° (Office of Information.)

\*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available



# NOVEMBER 1966

- 15466 177. Expanding Food stamp program. Mar. 1965. [8] p. il. 4° (Consumer and Marketing Service.)
- 15467 180. Teamwork on Delta, ARS scientists study impact of pesticides on environment. Mar. 1965. [12] p. il. 4° (Agricultural Research Service.)
- 15468 181. After 30 years soil & water conservation needs broaden. Apr. 1965. [4] p. il. 4° (Soil Conservation Service.)
- 15469 183. Beautifying America begins at home. May 1965. [6] p. il. 4° (Agricultural Research Service.)
- 15470 186. Food in time of need, USDA's commodity distribution program. July 1965. [6] p. il. 4° (Consumer and Marketing Service.)
- 15471 188. Battle of the bush. Oct. 1965. [6] p. il. 4° (Agricultural Research Service.)
- 15472 189. Arming against gypsy moth. Oct. 1965. [6] p. il. 4° (Agricultural Research Service.)
- 15473 193. Crop and livestock reporting, 1st century. July 1966. [6] p. il. 4° (Statistical Reporting Service.)
- 15474 195. Grasshopper control on rangeland, hitting the hot spots. June 1966. [8] p. il. 4° (Agricultural Research Service.)
- 15475 196. Khapra beetle, foreign menace. June 1966. [4] p. il. 4° (Agricultural Research Service.)
- 15476 199. Windowsill greenhouse. Nov. 1965. [4] p. il. 4° (Agricultural Research Service.)

## Production research report.

- 15477 92. Pneumatic conveyor for distributing farm feed [with list of selected references; by H. B. Puckett and H. H. Klueter]. [Aug. 1966.] [2]+14 p. il. 4° (Agricultural Research Service.) [Prepared in cooperation with Illinois Agricultural Experiment Station.] \*Paper, 15c. ● Item 13-C  
L.C. card Agr 66-336 A 1.84: 92

## Statistical bulletins. † ● Item 15 A 1.34: (nos.)

- 15478 363. Supplement for 1965 to wool statistics and related data, 1920-64, supplement for 1965 to statistical bulletin 363: [compiled by Mildred V. Jones]. Aug. 1966. [6]+130 p. 4° (Economic Research Service.)  
L.C. card 65-62520
- 15479 364. U.S. food consumption, sources of data and trends, 1909-63, supplement for 1965. [1966.] 32 p. il. 4° (Economic Research Service.) [Supersedes Supplement for 1964.]  
L.C. card Agr 65-401

- 15480 Symposium on research in agriculture, Feb. 23-25, 1966, Warrenton, Va. Aug. 1966. iv+112 p. il. 4° (Agricultural Research Service.) [Sponsored jointly by Department of Agriculture and National Academy of Sciences.] † ● Item 10  
L.C. card Agr 66-331 A 1.2: R 31/4

## AIR FORCE DEPARTMENT, Defense Dept. Washington, D.C. 20330

### Aerospace Medical Division: Technical report AMD-TR (series). (Aerospace Medical Division (AFSC), Brooks Air Force Base, Tex.)

- 15481 66-2. Aerospace medicine considerations in manrating space environment simulators [with list of references; by] Paul W. Musgrave, Donald I. Carter. June 1966. cover title, iii+7+[2] p. il. 4° (Office of Deputy for Research and Development.) † D 301.45/52: 66-2

### Air Force manual AFM (series). ● Item 421

- 15482 50-23. Guide for planning and conducting on-the-job training. [Aug. 1, 1966.] cover title, iii+[68] p. il. 4° ([Air Training Command.]) [Includes list of Air Force publications and films pertaining to OJT and/or airman career program. Issued with perforations. Supersedes AFM 50-23. May 1, 1964.] † D 301.7: 50-23/3  
L.C. card 66-62681
- 15483 78-30. See Defense Department, Defense Supply Agency handbook DSAH 4215.21.
- 15484 78-40. See Defense Department, Defense Supply Agency handbook DSAH 4215.26.

### Air Force pamphlet AFP (series). ● Item 421-A

- 15485 40-2-3. Civilian careers, scientists, engineers, technicians, administrators, Department of Air Force. [1966.] 19 p. il. narrow 8° [Supersedes AFP 4-2-3, Sept. 1, 1964.] † D 301.35: 40-2-3/3
- 15486 190-4-14. See Armed Forces Information and Education, Pocket guide to Caribbean.

### Personnel Research Laboratory: Technical report PRL-TR (series). (Aerospace Medical Division, Air Force Systems Command, Lackland Air Force Base, Tex.) † D 301.45/27: (nos.)

- 15487 66-5. Development of officer selection and classification tests, 1966 [with list of references]; by Robert E. Miller. June 1966. vi+12+[2] p. 4° ([Project 7717, task 771706.])

‡For Sale by Clearinghouse, U.S. Department of  
Commerce, Springfield, Va. 22151  
●Sent to Depository Libraries

Page 3

## GOVERNMENT PUBLICATIONS

### Personnel Research Laboratory—Continued

- 15488 66-7. Comparison of airman qualifying examination with differential aptitude tests [with list of references]; by Howard L. Madden, Lonnie D. Valentine, Jr., Ernest C. Tupes. July 1966. vi+15+[2] p. 4° ([Project 7719, task 771906.] )

School of Aerospace Medical Medicine: Technical report SAM-TR (series).  
(Aerospace Medical Division (AFSC), Brooks Air Force Base, Tex.) \$  
D 301.26/13-6; (nos.)

- 15489 66-55. Expanded test for speech discrimination utilizing CNC monosyllabic words. Northwestern University auditory test no. 6 [with list of references; by] Tom W. Tillman, Raymond Carhart. June 1966. cover title, iii+12+[2] p. il. 4° ([Prepared in Auditory Research Laboratory of Northwestern University under contract AF 41 (609)-2643 and task 775508.] )
- 15490 66-62. Exploratory study of factors affecting air crew morale [with bibliography; by] Bryce O. Hartman, George K. Cantrell, Lewis S. Sims. July 1966. cover title, iii+9+[2] p. 4° [Prepared in Biodynamics Branch under task 793003.]
- 15491 66-64. Monaural versus binaural discrimination for filtered CNC materials, impaired auditory mechanism [with list of references; by] Tom W. Tillman, Paul C. Bucy, Raymond Carhart. July 1966. cover title, iii+9+[2] p. il. 4° [Prepared in Auditory Research Laboratory of Northwestern University under contract AF 41 (609)-2643 and task 775508.]
- 15492 66-65. Experimental investigations with electrical stimulation of oculomotor nucleus, effects of stimulus frequency [with list of references; by] Donald G. Pitts. July 1966. cover title, iii+12+[2] p. il. 4° [Prepared in Ophthalmology Branch under task 775509.]
- 15493 66-66. Periodontal status of incoming Air Force Academy cadets [with list of references; by] Lee M. Lightner [and others]. Aug. 1966. cover title, iii+8+[2] p. il. 4° [Prepared in Dental Sciences Division under task 775303.]
- 15494 66-69. Chemical protection against radiation damage to immune response in mouse spleen cells in vitro [with list of references; by] George Kollman, Herman Friedman, Bernard Shapiro. Aug. 1966. cover title, iii+8+[2] p. il. 4° ([Contract AF 41 (609)-2637, task 775703.] )
- 15495 66-75. Evaluation of aortic blood velocity computed from pressure pulse [with list of references; by] John D. Boyett et al. Aug. 1966. cover title, iii+6+[2] p. il. 4° [Prepared in support of task 630207 by Physiological Chemistry Section and Biometrics Branch.]

### AIRPORTS SERVICE, Federal Aviation Agency Washington, D.C. 20553

- 15496 Approved airport lighting equipment; [effective Aug. 9, 1966]. Aug. 1966. cover title, [1]+iii+45+[12] p. 4° ([Advisory circular] AC 150/5345-1A.) [Issued with perforations. Cancels AC 150/5345-1, Aug. 15, 1963 and all changes.] †  
FAA 8.8: L 62
- 15497 Installation details for centerline and touchdown zone lighting systems [with bibliography; effective Aug. 4, 1966]. Aug. 1966. cover title, 2+i+15+[13] p. il. 4° ([Advisory circular] AC 150/5340-4A.) [Issued with perforations. Cancels AC 150/5340-4. Installation details for in-runway lighting, Jan. 27, 1964, and Change 1, Apr. 23, 1964.] †  
FAA 8.8: L 62/2

### AMERICAN ETHNOLOGY BUREAU, Smithsonian Institution Washington, D.C. 20560

#### Bulletin

- 15498 197. Analysis of sources of information on population of Navaho [with bibliography]; by Denis Foster Johnston. 1966. v+220 p. il. map [Also issued as H. doc. 235, 89th Cong., 1st sess.] \* Cloth, \$2.00. ● Item 913  
L.C. card 66-62746 SI 2.3: 197

### APPALACHIAN REGIONAL COMMISSION 1666 Connecticut Avenue, N.W., Washington, D.C. 20009

NOTE.—The Appalachian Regional Commission was established by Public law 4, 89th Congress, approved Mar. 9, 1965.

- 15499 Report of Health Advisory Committee to Appalachian Regional Commission, Mar. 1966. [1966.] [1]+xv+48+A-79+B-237 p. il. 4° [Title on cover is: Health Advisory Committee report.] † ● Item 1052-A  
L.C. card 66-62769 Y 3.A9 4/2: 2 H 34

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**APPRENTICESHIP AND TRAINING BUREAU, Labor Dept.  
Washington, D.C. 20210**

- 15500 National apprenticeship program. 1966 edition. [1966.] cover title, 31 p. il. [Text on p. 2 of cover.] † ● Item 748  
L.C. card 43-51810 L 23.2: Ap 6/966
- 15501 National bricklaying apprenticeship program and standards, prepared and approved by National Joint Bricklaying Apprenticeship Committee, representing Associated General Contractors of America, Inc., Mason Contractors' Association of America and Bricklayers, Masons and Plasterers. International Union of America, in accordance with recommended fundamentals of Federal Committee on Apprenticeship. 1966 edition. [1966.] cover title, viii+32 p. [Illustrations on p. 1 and 2 of cover.] † ● Item 748  
L.C. card L 54-162 L 23.2: B 76/966

**ARMED FORCES INFORMATION AND EDUCATION, Defense Dept.  
Washington, D.C. 20301**

**DOD pamphlet.**

- 15502 7-12. Correspondence courses offered by colleges and universities through United States Armed Forces Institute [revised 1966] for fiscal year 1967; Change 1. Sept. 15, 1966. 21 p. 4° (RM 204.14.) [Changes received through Sept. 15, 1966.] †  
L.C. card 56-63989 D 2.14: 7-12/4/ch. 1
- 15503 Pocket guide to Caribbean [with list of suggested reading]. [1966.] vi+78 p. il. small 4° ([DoD PG-22, DA Pam 360-412, NAVPERS 15213, AFP 190-4-14, NAVMC 2611.]) \* Paper, 35c. ● Item 314 & 312-A  
D 2.8: C 19

**ARMY DEPARTMENT, Defense Dept.  
Washington, D.C. 20310**

**Army regulations AR (series). [Issued with perforations.]**

- 15504 700-51. Logistics: Improved management and determination of requirements for procurement of technical data and information. Aug. 1966. cover title, [1987] p. il. 4° \* Paper, \$4.75. ● Item 323  
D 101.9: 700-51/3
- Cold Regions Research & Engineering Laboratory, Hanover, N.H.: Research reports. (Army Materiel Command.) † D 103.33/3: (nos.)
- 15505 175. Conductivity changes produced in ice by optical irradiation 0.8 to 2.7  $\mu$  [with list of literature cited]; by P. R. Camp and D. L. Spears. Aug. 1966. vi+27+[2] p. il. 4° (DA task IV014501B52A02.)
- 15506 188. Soils of Okpilak River region, Alaska [with list of literature cited]; by Jerry Brown. May 1966. vi+49+[2] p. il. 4° (DA task IV014501B52A02.)
- 15507 189. Temperature dependence and mechanism of sintering [with list of literature cited]; by Rene O. Ramseier and Gary W. Sander. July 1966. iv+16+[2] p. il. 4° (DA task IV014501B52A02.)
- 15508 190. Verification proposed equation for calculation of forces on sphere accelerating in viscous fluid [with list of literature cited]; by Fuat Odar. July 1966. iv+20+[2] p. il. 4° (DA task IV014501B52A02.)
- 15509 191. Seismic survey, northwest Greenland, 1964 [with list of literature cited]; by Garry K. C. Clarke. July 1966. iv+19+[2] p. il. 4° (DA task IV014501B52A02.)
- 15510 196. Time dependent deflection of floating ice sheet [with list of literature cited]; by Donald E. Nevel. July 1966. iv+9+[2] p. il. 4° ([DA task IV025001A13001.])

**Pamphlets.**

- 15511 360-412. See Armed Forces Information and Education, Pocket guide to Caribbean.
- 15512 608-2 Army personal affairs handbook. June 1966. cover title, 146 p. il. [Issued with perforations. Supersedes DA Pam 608-2, Mar. 1, 1961.] † ● Item 327  
L.C. card 66-62378 D 101.22: 608-2/3
- 15513 715-50-57. Procurement legal service, Aug. 5, 1966. 11 p. 4° [Issued with perforations.] \* Paper, 5c. ● Item 327 D 101.22: 715-50-57

**Technical bulletin TB (series).**

- 15514 AG-4. Copying equipment, Change 1. July 29, 1966. [18] p. 4° [Issued in looseleaf form.] \* Paper, 15c D 101.25: AG 4/ch. 1



# GOVERNMENT PUBLICATIONS

- Technical manual TM (series). ‡ D 101.11: (nos.)
- 15515 5-315. Firefighting (structures, aircraft, petroleum, and nuclear material) and rescue operations in theaters of operations, Change 1. July 19, 1966. 2 p. 4° [Issued with perforations.] ● Item 329
  - 15516 5-803-3. Installations planning: Site planning, general [with list of references]. July 1966. cover title, 20 p. il. 4° [Issued in looseleaf form. Supersedes TM 5-803-3 (formerly designated Corps of Engineers manual EM 210-3-3), Mar. 1, 1962, including Change 1, Feb. 28, 1966.] ● Item 329
  - 15517 10-500. Airdrop of supplies and equipment, General [Change] 2; Aug. 1966. [15] p. il. 4° ([Air Force Dept., Technical order TO 13C7-1-5, Change 2.]) [Issued in looseleaf form.] ● Item 329
  - 15518 10-500-87. Same: Rigging M28 and M29 weapon systems [with list of references]. Aug. 1966. cover title, 108+[1] p. il. 4° (Air Force Dept.; Technical order TO 13C7-47-1.) [Issued in looseleaf form. Supersedes TM 10-500-87/TO 13C7-47-1, Oct. 2, 1964, including C 1, Aug. 4, 1965.] ‡ ● Item 329 D 101.11: 10-500-87
  - 15519 11-2557-26. See Federal Aviation Agency FAA handbook S260.3.
  - 15520 55-503. Marine salvage and hull repair [with list of references]. July 1966. cover title, 454 p. il. 4° ● Item 329  
L.C. card 66-62784
  - 15521 55-600. Transportation services at continental United States (CONUS) installations, Change 1. Sept. 8, 1966. 1 p. 4° [Issued with perforations.] ● Item 329
  - 15522 66-57. On interaction of 2-dimensional jet with parallel flow [with list of references]; by Robert C. Ackerman, Alexander Pal. Aug. 1966. [1]+viii+44+[2] p. il. 4° (Task 1P125901A14203, contract DA 44-177-AMC-91(T); PIBAL report 889.) [Prepared by Polytechnic Institute of Brooklyn, Department of Aerospace Engineering and Applied Mechanics, Brooklyn, N.Y.]
  - 15523 66-59. Nonseparable solutions of Helmholtz wave equation examined for applications, final report [with bibliography]; by Donald S. Moseley, James M. Render. July 1966. [1]+xi+50 [2] p. il. 4° (Task 1P125901A 14227, contract DA 44-177-AMC-342(T); Vitro technical report 01944.01-1.) [Prepared by Silver Spring Laboratory, Vitro Laboratories Division, Vitro Corporation of America, Silver Spring, Md.]

## USAPRO technical research reports. (Army Personnel Research Office.) D 101.60/2: (nos.)

- 15524 1144. Methods for improving enlisted input, current research activities [with selected bibliography]; by A. G. Bayroff. Feb. 1966. [7]+18 p. 4° (Military Selection Research Laboratory; Army project 2J024701A722, input quality.) Φ (Price upon application, AD 633410.)
- 15525 1146. Research on selection of officer candidates and cadets [with list of literature cited]; by Leo J. Kotula and Helen R. Haggerty. May 1966. cover title, [7]+26 p. 4° (Behavioral Evaluation Research Laboratory; Army project 2J024701A722, cadet leaders-00.) Φ (Price upon application, AD 634314.)

## ATOMIC ENERGY COMMISSION Washington, D.C. 20545

### AEC research and development reports. Y 3.A7 7: 22/(letters-nos.)

- 15526 AEC-tr-6602. Radiobiology, translation of. v. 5, no. 5, 1965, of Radiobiologiya [articles, with bibliographies; chief editor, A. M. Kuzin]. [May 1966.] cover title, [2]+a-c+233 p. il. 4° (Translation series.) [Translated from publication of Publishing House of Academy of Sciences, USSR, 1965.] Φ Paper, \$6.00.
- 15527 CEX-59. 7B (pt. 1). Experimental radiation measurements in conventional structures: pt. 1, Radiation measurements in two two-story and three one-story typical residential structures before and after modification [with lists of references: by] Z. G. Burson. July 1966. cover title, ili-xiv+113 p. il. 4° (Civil effects study, Civil Effects Test Operations; [Edgerton, Germeshausen & Grier, Inc., Las Vegas, Nev.]) [Architectural plan and section drawings of structures by Phillip Huff, project officer, Holmes & Narver, Inc.] Φ Paper, \$1.50.

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- 15528 CONF-660303. Conference on neutron cross section technology, Mar. 22-24, 1966, Washington, D.C. [sponsored by Atomic Energy Commission, American Physical Society, National Bureau of Standards, American Nuclear Society, Technical Group for Reactor Physics, proceedings with bibliographies; edited by P. B. Hemmig.] [1966.]  $\Phi$  Paper, \$11.25 per set of 2 books.  
bk. 1, xxvi+1-553 p. il. 4°  
bk. 2, xvii+[1]+557-1097 p. il. 4°
- 15529 C00-578-3-32. Radiation synthesis involving halogen compounds, final report, May 1, 1960-Oct. 31, 1965: [with list of references]; by Paul Y. Feng, May 5, 1966, cover title, vi+70 p. il. 4° (IIT Research Institute, Chicago, Ill.: [contract AT(11-1)-578, IITRI project U6026].)  $\Phi$  Paper, \$3.00.
- 15530 EURAEC-1464. Hydrodynamic instabilities limiting power of boiling water reactors [with list of literature: by J. Bourel]. [June 1965.] cover title, iii+303+[1]+194 p. il. 4° ([Euratom contract 006.64.1 TEEF, C.E.A. contract 6435: United States-Euratom Joint Research and Development Program.]  $\Phi$  Paper, \$7.00.
- 15531 IDO-12053. Controlled environmental radiiodine tests, progress report 2 [with list of references: by] D. F. Bunch, editor. [Aug. 1966.] cover title, vi+33 p. il. 4° (National Reactor Testing Station, Health and Safety Division, Idaho Operations Office.)  $\Phi$  Paper, \$2.00.
- 15532 IDO-12054. Dose to various body organs from inhalation or ingestion of soluble radionuclides [with list of references]; by D. F. Bunch, Aug. 1966, iv+23 p. il. 4° (Health and Safety Division, Idaho Operations Office [national reactor testing station].)  $\Phi$  Paper, \$2.00.
- 15533 IS-1335. Bibliography of mass spectroscopy literature, compiled by computer method: by J. Capellen, H. J. Svec, C. R. Sage, Mar. 1966, cover title, v+399 p. 4° (Ames Laboratory, Iowa State University of Science and Technology, Ames, Iowa: [contract W-7405 eng-82].)  $\Phi$  Paper, \$4.25.
- 15534 KLX-1876. Engineering and evaluation study for manufacture of wood-plastic composites; [prepared by J. H. Frankfort and K. M. Black]. [June 3, 1966.] [215] p. il. 4° ([Contract AT (30-1)-3493.]  $\Phi$  Paper, \$2.25.
- 15535 NYO-2740-3. Annual report on research project [with bibliographies], Jan. 1, 1966, cover title, 262 p. il. 4° (Radiological Research Laboratory, Columbia University, New York, N.Y.: [AEC contract AT-(30-1)-2740].)  $\Phi$  Paper, \$6.00.
- 15536 NYO-2764-2. Feasibility study of unified digital instrumentation and control system for nuclear power plants, final report, Apr. 1961-June 1965; by D. Gertz, J. Levine, June 30, 1965, cover title, v+[354] p. il. 4° (Ford Instrument Company, Long Island City, N.Y.: [contract A+(30-1)-2764].)  $\Phi$  Paper, \$7.00.
- 15537 ORO-649. Boiling nuclear superheater (BONUS) power station, Punta Higuera site near Rincon, P.R., project completion report, June 1966, cover title, [169] p. il. 4° ([Projects 04-1-59-D-014-24 and 04-1-60-E-015-24.]) [Errata, 1 p., dated Aug. 24, 1966, issued also.]  $\Phi$  Paper, \$5.00.
- 15538 PNE-511. Plowshare, civil, industrial and scientific uses for nuclear explosives, United States Army Corps of Engineers, Project Pre-Schooner II, Bruneau Plateau, Idaho, Sept. 30, 1965, final report: Cloud development studies [with list of references: by] W. C. Day, R. F. Rohrer, June 1966, cover title, 34 p. il. 4° (Army Engineer Nuclear Cratering Group, Livermore, Calif.)  $\Phi$  Paper, \$1.50.
- 15539 TID-22833. Study of irradiated-pasteurized fishery products, Oct. 1, 1964-Sept. 30, 1965 [with bibliographies]; by Joseph W. Slavin, [and others]. [1966.] cover title, [1]-xiv+100+[75] p. il. 4° (Technological Laboratory, Bureau of Commercial Fisheries, Gloucester, Mass.: [contract AT(49-11)-1889].)  $\Phi$  Paper, \$5.00.
- 15540 Decade of reform in science education, remarks by Glenn T. Seaborg, Chairman, Atomic Energy Commission, at annual meeting of Council on Basic Education, Washington, D.C., Oct. 21, 1966. [1966.] 21 p. 4°  $\dagger$   
Y 3.At 7: 34 Se 1/114
- 15541 Nuclear progress at Yale, remarks by Glenn T. Seaborg, Chairman, Atomic Energy Commission at dedication of Emperor Tandem Accelerator and Wright Nuclear Structure Laboratory, Yale University, New Haven, Conn., Oct. 5, 1966, 1966, 6 p. 4° (S-31-66.)  $\dagger$  Y 3.At 7: 34 Se 1/112
- 15542 Oceans of truth, remarks by Glenn T. Seaborg, Chairman, Atomic Energy Commission at Leif Erikson Foundation luncheon, Washington, D.C., Oct. 6, 1966. [1966.] 6 p. 4° (S-32-66.)  $\dagger$  Y 3.At 7: 34 Se 1/113

# GOVERNMENT PUBLICATIONS

- 15543 Remarks by Glenn T. Seaborg, chairman, Atomic Energy Commission and U.S. Representative to 10th general conference of International Atomic Energy Agency, Vienna, Austria, Sept. 22, 1966. 1966. 10 p. 4° (S-27-66.) †  
Y 3.At 7: 34 Se 1/110
- 15544 Remarks by Glenn T. Seaborg, chairman, Atomic Energy Commission, at formal opening of Atoms in Action Nuclear Science Demonstration Center, Dublin, Ireland, Sept. 28, 1966. 1966. 3 p. 4° (S-30-66.) †  
Y 3.At 7: 34 Se 1/111
- 15545 Remarks by Glenn T. Seaborg, Chairman, Atomic Energy Commission upon presentation of Enrico Fermi award for 1966 to Otto Hahn and Fritz Strassmann at Hofburg Palace, Vienna, Austria, Sept. 23, 1966. 1966. 4 p. 4° (S-29-66.) †  
Y 3 At 7: 34 Se 1/109
- 15546 Selling to AEC. Revised July 1966. [1966.] vi+37 p. \* Paper, 20c.  
● Item 1051  
L.C. card 49-45968  
Y 3. At 7: 2 Se 4/2/966
- Understanding the atom series. (Division of Technical Information.)
- 15547 Genetic effects of radiation [with list of suggested references; by Isaac Asimov and Theodosius Dobzhansky]. [Sept. 1966.] cover title, [2]+49 p. il. [Text on p. 3 of cover.] † Atomic Energy Commission, P.O. Box 62, Oak Ridge, Tenn. 37830  
L.C. card 66-62747  
Y 3.At 7: 54 G 28
- 15548 Nuclear energy for desalting [with list of suggested references; by Grace M. Urrows]. [Sept. 1966.] cover title, [2]+49 p. il. † Atomic Energy Commission, P.O. Box 62, Oak Ridge, Tenn. 37830  
L.C. card 66-62748  
Y 3.At 7: 54 D 45
- 15549 Radioactive wastes [with list of suggested references; by Charles H. Fox]. [Nov. 1965.] cover title, [2]+46 p. il. [Text on p. 3 of cover.] † Atomic Energy Commission, P.O. Box 62, Oak Ridge, Tenn. 37831  
L.C. card 66-60724  
Y 3.At 7: 54 R 11/4
- 15550 Radioisotopes in medicine [with list of suggested references; by Earl W. Phelan]. [Sept. 1966.] cover title, [2]+50 p. il. † Atomic Energy Commission, P.O. Box 62, Oak Ridge, Tenn. 37830  
L.C. card 66-62749  
Y 3.At 7: 54 R 11/3
- 15551 SNAP nuclear space reactors [with list of suggested references; by William R. Corliss]. [Sept. 1966.] cover title, [2]+46 p. il. [Text on p. 3 of cover.] † Atomic Energy Commission, P.O. 62, Oak Ridge, Tenn. 37830  
L.C. card 66-62772  
Y 3.At 7: 54/Sn 1
- 15552 United States Atomic Energy Commission 16 mm film catalog, popular level, 1966-67. Reprinted with additions [1966.] cover title, xix+75 p. †  
Y 3.At 7: 2 F 48/3/966-67

## AVIATION MEDICINE OFFICE, Federal Aviation Agency Washington, D.C. 20553

Aviation medical report AM (series). Φ (Price upon application).

FAA 7.12: (nos.)

- 15553 66-1. Aviation medicine reports, annotated catalog of Office of Aviation Medicine reports, 1961-65: [by] Mary Ellen Allen, Stanley R. Mohler. Jan. 1966. [4]+29+[1] p. 4°
- 15554 66-8. Predominant causes of crashes and recommended therapy [with list of selected references; by] Stanley R. Mohler. Apr. 1966. [4]+3+[1] p. 4° ● Item 431-E-4
- 15555 66-9. Selected facial measurements of children for oxygen-mask design: [by] Joseph W. Young. Apr. 1966. [4]+11+[2] p. il. 4° ● Item 431-E-4
- 15556 66-14. Problems in aviation personnel: Influence of tranquilizer on temperature regulation in man [with list of references; by] P. F. Iampietro [and others]. May 1966. [5]+6+[1] p. il. 4°
- 15557 66-15. Hypoxia and performance decrement [with list of references; by] William F. O'Connor, Jim Scow, George Pendergrass. May 1966. [4]+5+[1] p. il. 4° ● Item 431-E-4
- 15558 66-16. Aeromedical assessment of human systolic and diastolic blood-pressure transients without direct arterial puncture [with list of references; by] Michael T. Lategola, Hiley Harrison, Charles Barnard. May 1966. [4]+15+[2] p. il. 4°
- 15559 66-25. Physician flight accidents; [by] S. R. Mohler [and others]. Sept. 1966. [4]+4+[1] p. 4° [July 1966 appears on front cover.]

## BUDGET BUREAU, Executive Office of the President Washington, D.C. 20503

- 15560 Career staff to the President, public service as unique privilege and formidable challenge. [Oct. 1966.] [6] p. † ● Item 854.

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- 15561 Need for, and development of interagency management information systems, presentation by Willard Fazar, Office of Management and Organization, Bureau of Budget, at Civil Service Commission executive seminar in interagency management information systems, Jan. 24, 1966. 1966. 11 p. 4° ‡ PrEx 2.15: F 29

**BUSINESS AND DEFENSE SERVICES ADMINISTRATION, Commerce Dept., Washington, D.C. 20230**

- 15562 Government-industry cooperation, address by James M. Owens, Director, Office of Metals and Minerals, Business and Defense Services Administration, Department of Commerce, before annual meeting of American Die Casting Institute, Chicago, Ill., Sept. 28, 1966. 1966. 8 p. 4° ‡ C 41.15: Ow 2/3

**CENSUS BUREAU, Commerce Dept.  
Suitland, Md. 20233**

Area measurement reports, GE-20 (series). ● Item 146-B

- 15563 32. Areas of New Jersey, 1960. Sept. 1966. 12 p. 4° \* Paper, 15c. C 3.208/2: 32

**Bulletin.**

- 15564 202. Cotton production and distribution, year ending July 31, 1965. [1966.] viii+73 p. il. \* Paper, 30c. ● Item 131 L.C. card 25-26263 C 3.3: 202

- 15565 1963 census of business: v. 5. Wholesale trade, area statistics; [prepared in Business Division]. [1966.] [1053] p. il. 4° [Illustrated lining papers. Statistics incorporate area preprints, series BC63-WA.] \* Cloth, \$7.00. ● Item 132 L.C. card A66-7302 C 3.202/5: 963/v.5

- 15566 — v. 7. Selected services, area statistics; [prepared in Business Division under supervision of Harvey Kailin, chief, and Henry Wulff, assistant chief for census programs]. 3 pts. [Illustrated lining papers. Statistics presented incorporate area preprints, series BC 63-SA.] \* Cloth, \$17.75 per set of 3 pts. ● Item 132 L.C. card A66-7302 C 3.202/5: 963/v.7/pt. 1-3

pt. 1. U.S. summary and Alabama-Illinois. [1966.] ix+[754] p. il. 4°  
pt. 2. Indiana-New York. [1966.] [816] p. il. 4°  
pt. 3. North Carolina-Wyoming, Guam, and Virgin Islands. [1966.] [866] p. il. 4°

- 1963 census of manufactures [Area statistics] MC63(3)-(series). [Prepared in Industry Division. Preprint of corresponding chapter of v. 3. Area statistics.] ● Item 137 C 3.24/3: 963/(nos.)

- 15567 4. Arkansas. [Aug. 1966.] cover title, vi+22 p. il. 4° \* Paper, 25c.  
15568 6. Colorado. [Aug. 1966.] cover title, vi+18 p. il. 4° \* Paper, 25c.  
15569 17. Kansas. [Aug. 1966.] cover title, vi+24 p. il. 4° \* Paper, 30c.  
15570 28. Nebraska. [Aug. 1966.] cover title, vi+20 p. il. 4° \* Paper, 25c.  
15571 32. New Mexico. [Aug. 1966.] cover title, vi+14 p. il. 4° \* Paper, 25c.  
15572 42. South Dakota. [Aug. 1966.] cover title, vi+16 p. il. 4° \* Paper, 25c.  
15573 49. West Virginia. [Aug. 1966.] cover title, vi+20 p. il. 4° \* Paper, 25c.

— [Special report] MC63(S)-(series). ● Item 135

- 15574 3.9. Location of manufacturing plants by industry, county, and employment size: pt. 9. Transportation equipment, instruments and related products. [June 1966.] cover title, iv+51 p. 4° \* Paper, 45c. L.C. card A66-7827 C 3.24/15: 963/3.9

- 1963 census of mineral industries: [Industry statistics] MIC63(1) (series). [Preprint from v. 1, General summary and industry statistics.] ● Item 158 C 3.216: 963/(nos.)

- 15575 10C. Copper, lead, zinc, gold, and silver ores; [prepared by Wilhelmina F. Whiting, assisted by Frank Roy]. [Aug. 1966.] cover title, vi+48 p. il. 4° \* Paper, 45c.  
15576 14F. Nonmetallic minerals (except fuels), services and miscellaneous nonmetallic minerals; [prepared by Wilhelmina F. Whiting, assisted by Patricia L. Horning and Gerald M. Sokolow]. [Aug. 1966.] cover title, vi+48 p. il. 4° \* Paper, 35c.

‡For Sale by Clearinghouse, U.S. Department of  
Commerce, Springfield, Va. 22151

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# GOVERNMENT PUBLICATIONS

- County business patterns, CBP (series). [Prepared in cooperation with Social Security Administration.] ● Item 133-A C 3.240: (nos.)
- 15577 65-8. Connecticut, 1965. [Aug. 1966.] cover title, viii+46 p. il. 4° [Text on p. 2 of cover.] \* Paper, 45c. L.C. card 49-45747
- 15578 65-14. Idaho, 1965. [Sept. 1966.] cover title, viii+33 p. il. 4° [Text on p. 2 of cover.] \* Paper, 35c. L.C. card 49-45747
- 15579 65-33. New Mexico, 1965. [Sept. 1966.] cover title, viii+35 p. il. 4° [Text on p. 2 of cover.] \* Paper, 40c. L.C. card 49-45747
- 15580 65-52. Wyoming, 1965. [Sept. 1966.] cover title, viii+21 p. il. 4° [Text on p. 2 of cover.] \* Paper, 30c. L.C. card 49-45747
- 15581 Current industrial report: Aluminum foil converted, 1965. Sept. 23, 1966. 2 p. 4° (Series MA-34P(65)-1.) † Paper, 25c. ● Item 142-A C 3.158: MA-34 P (65)-1
- 15582 — Brassieres, corsets, and allied garments 1965 (preliminary), Change sheet. Aug. 26, 1966. 1 p. 4° (Series MA-23J(65)-1.) † ● Item 142-A C 3.158: MA-235(65)-1/ch.
- 15583 — Broad-woven goods, blends and mixtures, 1965. Sept. 22, 1966. 4 p. 4° (Series M22T(65)-supp.) † Paper, 25c. ● Item 142-A C 3.158: M 22 T (65)-supp.
- 15584 — Fibrous glass, 1965. Sept. 19, 1966. 1 p. 4° (Series M32J(65)-1.) † Paper, 25c. ● Item 142-A C 3.158: M 32 J (65)-1
- 15585 — Heating and cooking equipment, 1964. July 25, 1966. 9 p. 4° (Series M34N(64)-13.) † Paper, 15c. ● Item 142-A C 3.158: M 34 N (64)-13
- 15586 — Home-type radio receivers and television sets, automobile radios, phonographs, and record player attachments, 1965. Sept. 16, 1966. 3 p. 4° (Series M36M(65)-1.) † Paper, 25c. ● Item 142-A C 3.158: M 36 M (65)-1
- 15587 — Paint, varnish, and lacquer, summary for 1965. Aug. 26, 1966. 3 p. 4° (Series M28F(65)-13.) † Paper, 15c. ● Item 142-A C 3.158: M 28 F (65)-13
- 15588 — Salad dressing, mayonnaise and related products, 1965. Sept. 27, 1966. 2 p. 4° (Series MA20F(65)-1.) † Paper, 25c. ● Item 142-A C 3.158: MA 20 F (65)-1
- 15589 — Sales of lubricating and industrial oils and greases, 1965. Sept. 7, 1966. 10 p. 4° (Series MA-29C(65)-1.) † Paper, 25c. ● Item 142-A C 3.158: MA-29 C (65)-1
- 15590 — Selected atomic energy products, 1965. Sept. 21, 1966. 3 p. 4° (Series MA-38Q(65)-1.) † Paper, 25c. ● Item 142-A C 3.158: MA-38 Q (65)-1
- Current population reports: Series P-23, Technical studies. \* Paper, \$4.00 (including Series P-20, P-23, P-25, P-27, P-28 summaries, P-60, and P-65 for one year), \$1.25 additional for foreign mailing; single copy, each 15c. ● Item 142-C
- 15591 20. Changes in economic level in 9 neighborhoods in Cleveland; 1960-65 (advance report). Sept. 22, 1966. 7 p. il. 4° \* Paper, 15c. C 3.186: P-23/20
- Series P-60, Consumer income. \* Paper, \$4.00 (including Series P-20, P-23, P-25, P-27, P-28 summaries, P-60, and P-65 for one year), \$1.25 additional for foreign mailing; single copy, each 15c. ● Item 142-C
- 15592 50. Median income of persons up in 1965 (advance data from Mar. 1966 sample survey). Aug. 26, 1966. 3 p. 4° \* Paper, 15c. C 3.186: P-60/50
- 15593 Current population survey of United States, its origin, methods, and evolution; by Robert B. Pearl. [1966.] [1]+13 p. 4° [Prepared for presentation before CENTO symposium on Household surveys held in Dacca, East Pakistan, Apr. 25-May 2, 1966.] † C 3.2: P 81/19
- 15594 Guide to foreign trade statistics, 1967. [1966.] 89 p. il. 4° ‡ C 3.6/2: F 76
- 15595 Long term economic growth, 1860-1965 [with bibliography]. [Oct. 1966.] cover title, iv+256 p. il. 4° ([Statistical compendium; ES 4-no. 1.]) \* Paper, \$2.75. ● Item 146 L.C. card A 66-7869 C 3.2: Ec 7

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# NOVEMBER 1966

## Series ISPO 1. (International Statistical Programs Office.)

- 15596 No. 1-E. Atlantida, case study in household sample surveys: Unit 4. Sample design [with selected list of references]. [Sept. 1966.] cover title, vi+178 p. il. 4° [Prepared under auspices of Agency for International Development, State Dept., as contribution to Alliance for progress program.] † Paper, \$2.00 ● Item 146-F C 3.205/3: 1/no.1-E
- 15597 Statistical abstract of United States, 1966 [National data book and guide to sources]. 87th annual edition. [1966.] [1]+xii+1039 p. il. [Prepared under direction of Edwin D. Goldfield, chief, Statistical Reports Division. Includes copyright material. Also issued as H. doc. 377, 89th Cong., 2d sess.] \* Cloth, \$3.75. ● Item 150  
L.C. card 4-18089 C 3.134: 966

Supplement to Congressional district data book [districts of 88th Congress], redistricted States. † ● Item 151  
L.C. card A63-7725 C 3.134/2: C 76/963/supp. (no.)

- 15598 8. Utah, districts of 90th Congress. June 1966. 6 p. il. 4°  
15599 9. South Dakota, districts of 90th Congress. June 1966. 6 p. il. 4°  
15600 10. Montana, districts of 90th Congress. June 1966. 6 p. il. 4°  
15601 12. Arkansas, districts of 90th Congress. June 1966. 10 p. il. 4°  
15602 13. Alabama, districts of 90th Congress. June 1966. 10 p. il. 4°  
15603 14. Indiana, districts of 90th Congress. June 1966. 10 p. il. 4°  
15604 15. Virginia, districts of 90th Congress. June 1966. 10 p. il. 4°  
15605 16. Tennessee, districts of 90th Congress. June 1966. 11 p. il. 4°  
15606 17. Oregon, districts of 90th Congress. June 1966. 8 p. il. 4°  
15607 18. Kansas, districts of 90th Congress. June 1966. 9 p. il. 4°  
15608 19. Arizona, districts of 90th Congress. July 1966. 7 p. il. 4°  
15609 20. Florida, districts of 90th Congress. July 1966. 11 p. il. 4°  
15610 21. Texas, districts of 90th Congress. July 1966. 21 p. il. 4°

## CIVIL AERONAUTICS BOARD Washington, D.C. 20428

- 15611 Address by G. Joseph Minetti before 3d Regional Air Cargo Workshop, New York, N.Y., Oct. 20, 1966. 1966. 9 p. 4° † C 31.215: M 66/4
- 15612 Air transportation, international tourism, and economic development, remarks by Whitney Gilliland, member, Civil Aeronautics Board, 5th Inter-American Travel Seminar, Caracas, Venezuela, Sept. 26-28, 1966. [1]+11 p. 4° † C 31.215: G 41/6
- 15613 Aircraft accident report: Allegheny Airlines, Inc., Convair 340/440, N8415H. Montoursville, Pa., July 23, 1965; adopted Aug. 30, 1966. Sept. 2, 1966. cover title, 8 p. 4° (File 1-0022; SA-385.) † C 31.213: M 768/2
- Bureau of Safety report BOSR (series).
- 15614 7-1. U.S. air carrier accidents, statistical review and resume of accidents, calendar year 1964. [Sept. 1966.] cover title, [1]+vi+25+55 p. 1 pl. 4° ([Bureau of Safety, Safety Analysis Division.]) † C 31.252/2: 7-1
- 15615 Regulations of Civil Aeronautics Board [as amended to Aug. 27, 1966, new and revised pages]; Aug. 19, 1966. 19 p. 4° [Includes transmittal sheet 30. Issued in looseleaf form.] \* Paper, \$6.50 (including basic book and supplementary service for an indefinite period); \$2.00 additional for foreign mailing. ● Item 186 C 31.206/7: 963/trans. 30
- 15616 Remarks of Charles S. Murphy, Chairman of Civil Aeronautics Board before American Society of Travel Agents, Seattle, Wash., Oct. 3, 1966. [1966.] 15 p. 4° † C 31.215: M 95/32
- 15617 Remarks of Charles S. Murphy, Chairman of Civil Aeronautics Board, before Wings Club, New York City [N.Y.], Sept. 21, 1966. [1966.] 10 p. 4° † C 31.215: M 95/31
- 15618 Remarks of John G. Adams, member, Civil Aeronautics Board before 2d CAB-NITL Regional Air Cargo Workshop, Miami, Fla., Oct. 17, 1966. 1966. 7 p. 4° † C 31.215: Ad 1/5

## CIVIL DEFENSE OFFICE (Army), Defense Dept. Washington, D.C. 20310

- 15619 Federal civil defense guide: pt. F, chap. 5, app. 1, Change 1, Federal contributions for civil defense equipment. Aug. 1966. [2]+2 p. 4° [Issued in looseleaf form.] † ● Item 320-B-3  
D 119.8/4: pt. F/chap. 5/app. 1/ch. 1

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# GOVERNMENT PUBLICATIONS

- 15620 Federal civil defense guide: pt. F, chap. 5, app. 3, Change 3, Procedures for donation of Federal surplus personal property. May 1966. [4] p. 4° [Issued in looseleaf form.] † ● Item 320-B-3  
D 119.8/4: pt. F/chap. 5/app. 3/ch. 3
- FG (series). † ● Item 320-B-3 D 119.8/3: (letters—nos.)
- 15621 E-5.9.1. Handbook for serial radiological monitors, supplement to handbook for radiological monitors, FG-E-5.9. July 1966. cover title, ii+30 p. il.
- 15622 F-3.7. Industrial civil defense protection of vital records, special report by Association of Records Executives and Administrators, Inc.; [prepared by Joseph L. Kish and others.] July 1966. cover title, iv+24 p. [Checklist of procedures in preparing for civil defense in industry on p. 3 of cover.]  
L.C. card 66-62781

## Handbook H (series).

- 15623 12. Fallout protection for homes with basements. July 1966. cover title, 24 p. il. † ● Item 857-D-10  
D 119.8/2: 12/2

## Instructor's guide IG (series). ● Item 857-D-12

- 15624 IG-15-1. Basic course in emergency mass feeding [with lists of references]. Aug. 1966. viii+[56] p. 4° ([ARC 2219.]) [Developed jointly with American National Red Cross and Welfare Administration, Health, Education, and Welfare Dept. Issued with perforations. Supersedes IG-12.1, Jan. 1957.] † D 119.8/7: 15.1

## Student manual SM (series).

- 15625 2.1.4. Program planning and development (self-teaching materials). July 1966. cover title, 75 p. 4° [Issued with perforations.] † ● Item 320-B-1  
D 119.8/8: 2.1.4

## CIVIL SERVICE COMMISSION

Washington, D.C. 20415

- 15626 Amendment to announcement 147B, agricultural marketing specialist [grades 7-14] and agricultural market reporter [grades 7-11]. Sept. 27, 1966. 1 p. oblong 24° † CS 1.26: 958/147B/rev./amdt.-2
- 15627 Amendment to follow examination announcements, 4B, agricultural extension specialist (grades 12-15), 195B, farm credit examiner (grades 9-11), 305B, agricultural statistician (grades 5-7), 325B, crop insurance fieldman (grade 5), crop insurance supervisor (grades 7-9), 377B, agricultural commodity grader (meat) (grade 5). Sept. 27, 1966. 1 p. 12° (Interagency Board of Civil Service Examiners for Washington, D.C.) [Effective Oct. 3, 1966.] CS 1.26/3: amdt./966-4
- 15628 Announcing examination for postmaster, AN 3300. Jan. 1966. [4] p. † ● Item 292 CS 1.28: 3300/8
- 15629 Current Federal examination, AN 2279, supp. A to issue 173, Sept.-Oct. 1966. [1966.] 1 p. oblong 24° † CS 1.28: 2279/173/supp. A
- 15630 Federal employment opportunities in Job Corps Conservation Centers for teachers (Job Corps), teachers (vocational subjects), grades 5 through 9, guidance counselors, grades 7 through 9, salaries grade 5, \$5,331 a year, grade 7, \$6,451, grade 9, \$7,696 a year, applications continuously accepted by Interagency Board of Civil Service Examiners for Washington, D.C., 1900 E St., NW., Washington, D.C. 20415, announcement WA-05-6. Aug. 16, 1966. 6 p. 4° † ● Item 292 CS 1.26/4: 966/WA-05-6
- 15631 Instructions to applicants for 4th-class postmaster examinations, AN 1759. Feb. 1966. [1966.] [1]+8 p. † ● Item 292 CS 1.28: 1759/11  
Pamphlet.
- 15632 64. Opportunities in Federal civil service for returning Peace Corps volunteers. [Apr. 1966.] [6] p. narrow 8° † ● Item 299 CS 1.48: 64/3
- 15633 Preparing for Federal service entrance examination, sample questions and suggestions on how to do your best when you take test. [1966.] cover title, iii+16 p. il. 4° [Text on p. 2 of cover.] \* Paper, 20c. ● Item 296-B CS 1.7/4: F 31

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- 15634 Resident youth worker, grade 5, \$5,181 a year, for duty in Job Corps conservation centers on staffs of Department of Interior and Department of Agriculture, applications continuously accepted from male applicants only, announcement WA-04-6. Aug. 2, 1966. 4 p. 4° † ● Item 292  
CS 1.26/4: 966/WA-04-6

**COAL RESEARCH OFFICE, Interior Dept.  
Washington, D.C. 20240**

- 15635 Coal, its future and conversion, remarks by A. Howard Smith, chief, Economics & Marketing Division, Office of Coal Research, Department of Interior, at Empire State Petroleum and Fuel Merchants Association, Inc., Ellenville, N.Y., Sept. 26, 1966. 1966. 7 leaves, 4° † 1 63.9: Sm 5

**COAST AND GEODETIC SURVEY, Commerce Dept.  
Washington, D.C. 20230**

- 15636 International Indian Ocean Expedition, USC&GS ship Pioneer, 1964: v. 2, Data report, oceanographic stations, BT observations, and bottom samples, Feb. 11-Aug. 11, 1964. [1966.] iii+183 p. il. map, 4° \* Paper, \$1.50. ● Item 192  
L.C. card 66-62429 C 4.2: In 2/2/v. 2  
Publication. ● Item 193  
15637 10-2. Coast and Geodetic Survey, its products and services. 1966. 80 p. il. 4°  
[Text on p. 3 of cover.] \* Paper, \$1.00  
L.C. card 66-62750 C 4.19/2: 10-2/2  
15638 Tidal current tables, Pacific Coast of North America and Asia, 1967. [1966.] 254 p. il. [Includes list of publications relating to tides and currents.] † Paper, \$2.00. ● Item 191  
L.C. card 7-35369 C 4.23: 967

**COMMERCE DEPARTMENT  
Washington, D.C. 20230**

NOTE.—Requests to the Commerce Department for publications should include the Comm—DC—number if given in the entry.

- 15639 Address by Eugene P. Foley, Assistant Secretary of Commerce and Director of Economic Development, scheduled for delivery before Edison Electric Institute area development workshop, San Francisco, Calif., Oct. 11, 1966. 1966. 11 p. 4° (US/COMM/DC/47132.) † C 1.18: F 69/23  
15640 Address by Eugene P. Foley, Assistant Secretary of Commerce and Director of Economic Development, scheduled for delivery during freshman orientation week at Creighton University, Omaha, Nebr., Sept. 12, 1966. [1966.] 11 p. 4° ([USCOMMDC 47058.]) † C 1.18: F 69/22  
15641 Address by Secretary of Commerce John T. Connor, prepared for delivery to annual meeting of Council of State Chambers of Commerce, Dallas, Tex., Sept. 14, 1966. [1966.] 13 leaves, 4° (COMM-DC-38158.) †  
C 1.18: C 76/83  
15642 Business economist and Government, remarks by William H. Shaw, Assistant Secretary of Commerce for Economic Affairs, at 8th annual meeting of National Association of Business Economists, Washington, D.C., Sept. 30, 1966. 1966. 8 p. 4° † C 1.18: Sh 2/4  
15643 Do you know your economic ABC's? simplified explanation of gross national product and how it mirrors our economy [with bibliography]. [1966 revision.] [1966.] 34+[6] p. il. oblong 24° [Text on p. 2 and 3 of cover.] \* Paper, 20c. ● Item 128  
L.C. card 66-62765 C 1.2: Ec 7/3/966  
15644 Federal statistics, decade of progress, remarks by William H. Shaw, Assistant Secretary of Commerce for Economic Affairs, at 10th annual meeting of Federal Statistics Users' Conference, Washington, D.C., Oct. 13, 1966. [1966.] 5 p. 4° (USCOMM-DC-38249.) † C 1.18: Sh 2/6

# GOVERNMENT PUBLICATIONS

- Overseas business reports **OBR** (series). [Issued irregularly.] \* Paper, \$13.00 a yr., \$5.00 additional for foreign mailing; single copy, 15c. (1-3 yr. subs.). • Item 231-B C 1.50: (nos.)
- 15645 66-33. Market indicators for Africa [with bibliography; prepared by Selina Calder with assistance of Nandor Cheplo]. Aug. 1966. 32 p. il. 4° (Bureau of International Commerce.) [Issued with perforations.]
- 15646 66-40. Foreign trade regulations of East Africa (Kenya, Tanzania, and Uganda); prepared by William F. Schrage. June 1966. 8 p. 4° (Bureau of International Commerce.) [Issued with perforations. Supersedes WTIS, pt. 2, no. 59-35, OBR 63-13.]
- 15647 66-55. Market profiles for Far East; prepared in Far Eastern Division, Office of International Regional Economics. Aug. 1966. 16 p. 4° (Bureau of International Commerce.) [Issued with perforations. Supersedes OBR 65-12.]
- 15648 66-57. United States trade with major world areas, imports 1964-65, exports 1965; [prepared in International Trade Analysis Division]. Sept. 1966. 15 p. il. 4° (Bureau of International Commerce.) [Issued with perforations.]
- 15649 66-58. Foreign trade regulations of Saudi Arabia; prepared by Emil Stavriotis. Sept. 1966. 5 p. 4° (Bureau of International Commerce.) [Supersedes OBR 66-53, not distributed to subscribers.]
- 15650 66-62. Foreign trade regulations of Mexico [with bibliography]; prepared by Walter Haidar. Oct. 1966. 8 p. 4° (Bureau of International Commerce.) [Supersedes OBR 64-128.]
- 15651 66-67. Establishing business in Pakistan [with bibliography]; prepared by Larry A. Nisch. Oct. 1966. 14 p. 4° (Bureau of International Commerce.) [Issued with perforations. Supersedes OBR 65-72.]
- 15652 Overview '67, economic issues, remarks by William H. Shaw, Assistant Secretary of Commerce for Economic Affairs, at 28th annual Building Products Executive Conference, Oct. 13, 1966, Washington, D.C. [1966.] 6 p. 4° (USCOMM-DC-38256.) † C 1.18: Sh 2/5
- 15653 Remarks by James G. Morton, Special Assistant to Secretary of Commerce, prepared for delivery to conference of Japanese businessmen, Washington, D.C., Sept. 13, 1966. [1966.] 6 leaves, 4° † C 1.18: M 84/15
- 15654 Remarks by Lowell K. Bridwell, Deputy Under Secretary of Commerce for Transportation, prepared for delivery at Transportation Week luncheon, in connection with 200th anniversary of founding of Winston-Salem, N.C., Oct. 5, 1966. 1966. 6 p. 4° (COMM-DC-3325.) † C 1.18: B 76/20
- 15655 Remarks by Secretary of Commerce John T. Connor prepared for delivery at 1st annual meeting of Mobilization Readiness Division of American Ordnance Association, Industrial College of Armed Forces, Fort McNair, Washington, D.C., Oct. 12, 1966. [1966.] 11 leaves, 4° (USCOMM-DC-38247.) † C 1.18: C 76/87
- 15656 Remarks by Secretary of Commerce John T. Connor prepared for delivery to Cleveland Advertising Club, Cleveland, Ohio, Sept. 28, 1966. [1966.] 10 leaves, 4° (USCOMM-DC-38206.) † C 1.18: C 76/86
- 15657 Remarks of William H. Shaw, Assistant Secretary of Commerce for Economic Affairs, at Georgetown University Banker's Forum, Oct. 1, 1966. [1966.] 7 p. 4° † C 1.18: Sh 2/3
- 15658 Science, technology, and future of society [by] J. Herbert Hollomon, Assistant Secretary of Commerce for Science and Technology, address before 3d International Investment Symposium, Harvard University Graduate School of Business Administration, Boston, July 11, 1966. [1966.] 12 p. 4° † C 1.18: H 72/22
- 15659 Technology and public policy, J. Herbert Hollomon, Assistant Secretary of Commerce for Science and Technology, 34th Edward Orton, jr., Memorial Lecture, delivered to American Ceramic Society, Washington, D.C., May 9, 1966. [1966.] 16 p. 4° (USCOMM-DC-38146.) † C 1.18: H 72/21
- 15660 Traffic safety at crossroads, remarks by William Haddon, jr., Administrator-Designate, National Highway Safety Agency, Department of Commerce, prepared for delivery before Governor's Traffic Safety Conference, Denver, Colo., Sept. 22, 1966. 1966. 10 p. 4° (USCOM-DC-3297.) † C 1.18: H 11

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CONGRESS

- 15661 Congressional record, proceedings and debates of 89th Congress, 1st session. v. 111, pt. 13, July 19-27, 1965. [Permanent edition.] 1965. [1]+ 17175-18496 p. 4° \* Cloth, \$4.25. ● Item 993 X.89/1.111/pt.13  
L.C. card 12-36438
- 15662 — v. 111, pt. 17, Aug. 31-Sept. 13, 1965. [Permanent edition.] 1965. [1]+22279-23626 p. 4° \* Cloth, \$4.25. ● Item 993 X.89/1: 111/pt.17  
L.C. card 12-36438
- 15663 — v. 111, pt. 18, Sept. 14-23, 1965. [Permanent edition.] 1965. [1]+ 23627-25022 p. 4° \* Cloth, \$4.50. ● Item 993 X.89/1: 111/pt.18  
L.C. card 12-36438
- 15664 — v. 111, pt. 19, Sept. 24-Oct. 7, 1965. [Permanent edition.] 1965. [1]+25023-26378 p. 4° \* Cloth, \$4.25. ● Item 993 X.89/1: 111/pt.19  
L.C. card 12-36438

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NOTE.—During each session of Congress the House and Senate documents and reports are accumulated into bound volumes comprising the Congressional serial set. No catalog entry is made for the volumes of the Serial set since the documents and reports contained therein have been previously listed in the Monthly catalog.

The following bound volumes were sent to depository libraries during the period of this catalog:

House document:

- 15665 no. 488, 89th Cong., 2d sess., U.S. policy toward Asia (Serial 12725-3). ● Item 995-G

House reports:

- 15666 nos. 213-328, with exceptions, 89th Congress, 1st session, House miscellaneous reports on public bills II (Serial 12665-2). ● Item 1007-A  
nos. 329-509, with exceptions, 89th Congress, 1st session, House miscellaneous reports on public bills III [Serial 12665-3]. ● Item 1007-A  
nos. 511-645, with exceptions, 89th Congress, 1st session, House miscellaneous reports on public bills IV [Serial 12665-4]. ● Item 1007-A

Senate reports:

- 15667 nos. 2-182, with exceptions, 89th Congress, 1st session, Senate miscellaneous reports on public bills I [Serial 12662-1] ● Item 1007-A

*Laws*

NOTE.—The Federal laws are first published separately and in this form are known as "slip laws". Later, these laws are compiled, edited, indexed, and published in the volumes of the Statutes at large.

Private laws, 89th Congress. † House or Senate Document Rooms, Capitol.

- 15668 262. H.R. 5204, act for relief of Joseph K. Bellek. Approved July 8, 1966. 1 p.  
15669 313. S. 2838, act for relief of Irene Snyder. Approved Sept. 27, 1966. 1 p.  
15670 314. S. 372, act for relief of Antonio Jesus Senra (Rodriguez) and his wife, Mercedes M. Miranda de Senra. Approved Oct. 3, 1966. 1 p.  
15671 315. S. 993, act for relief of Oscar Valdes Cruz. Approved Oct. 3, 1966. 1 p.  
15672 316. S. 1120, act for relief of Ortelio Rodriguez Perez. Approved Oct. 3, 1966. 1 p.  
15673 317. S. 2348, act for relief of Jorge G. Echenique. Approved Oct. 3, 1966. 1 p.  
15674 318. S. 2376, act for relief of Mario Presman. Approved Oct. 3, 1966. 1 p.  
15675 319. S. 2447, act for relief of Arturo Victor Fajardo-Carpio. Approved Oct. 3, 1966. 1 p.  
15676 320. S. 2529, act for relief of Felix Hurtado Perez. Approved Oct. 3, 1966. 1 p.  
15677 321. S. 2789, act for relief of Alberto Oteiza. Approved Oct. 3, 1966. 1 p.  
15678 322. S. 2796, act for relief of Rafael Anrrich. Approved Oct. 3, 1966. 1 p.  
15679 323. S. 2865, act for relief of Alfredo Hernandez. Approved Oct. 3, 1966. 1 p.  
15680 324. S. 2869, act for relief of Jose Enrique Diaz. Approved Oct. 3, 1966. 1 p.  
15681 325. S. 2945, act for relief of Jaime E. Condom Valera. Approved Oct. 3, 1966. 1 p.  
15682 326. S. 2946, act for relief of Mario V. Machado Espinosa. Approved Oct. 3, 1966. 1 p.  
15683 327. S. 3189, act for relief of Alonso Portuondo. Approved Oct. 3, 1966.

‡For Sale by Clearinghouse, U.S. Department of Commerce, Springfield, Va. 22151

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# GOVERNMENT PUBLICATIONS

## Private laws, 89th Congress—Continued

- 15684 328. S. 3272, act for relief of Jacobo Albo Maya. Approved Oct. 3, 1966. 1 p.  
 15685 329. S. 2626, act for relief of Argyrios A. Tsifutis. Approved Oct. 3, 1966. 1 p.  
 15686 330. S. 146, act for relief of Delma S. Pozas. Approved Oct. 4, 1966. 1 p.  
 15687 331. S. 153, act for relief of Matsusuke Tengan. Approved Oct. 4, 1966. 1 p.  
 15688 332. S. 766, act for relief of Samuel R. Rondberg. Approved Oct. 4, 1966. 1 p.  
 15689 333. S. 1449, act for relief of Enrique Ramon Ducassi. Approved Oct. 4, 1966. 1 p.  
 15690 334. S. 1571, act for relief of Kermit Wager, of Lebanon, S. Dak. Approved Oct. 4, 1966. 1 p.  
 15691 335. S. 2177, act for relief of Donald I. Abbott. Approved Oct. 4, 1966. 1 p.  
 15692 336. S. 2265, act for relief of Konstadyna Byni Deliroglou and her minor child, Alexandros Deliroglou. Approved Oct. 4, 1966. 1 p.  
 15693 337. S. 2555, act for relief of Kim Kin Soon. Approved Oct. 4, 1966. 1 p.  
 15694 338. S. 2800, act for relief of George Joseph Saad. Approved Oct. 4, 1966. 1 p.  
 15695 339. S. 2854, act for relief of Gottfried R. Kaestner. Approved Oct. 4, 1966. 1 p.  
 15696 341. H.R. 8699, act for relief of Mule Creek Oil Co., Inc., Delaware corporation. Approved Oct. 4, 1966. 1 p.  
 15697 342. H.R. 11253, act to provide for conveyance of certain real property of United States situated in Pennsylvania. Approved Oct. 4, 1966. 1 p.

## Public laws, 89th Congress. ● Item 575

NOTE.—Public laws in slip form in the first prints may be obtained from the Superintendent of Documents, Washington, D.C. 20402, at a subscription price of \$12.00 per session, \$2.00 additional for foreign mailing; single copies vary in price.

- 15698 473. H.R. 6438, act to authorize any executive department or independent establishment of Government, or any bureau or office thereof, to make appropriate accounting adjustment or reimbursement between respective appropriations available to such departments and establishments, or any bureau or office thereof. Approved June 29, 1966. 1 p. \* Paper, 5c.  
 15699 474. H.R. 14266, act making appropriations for Treasury and Post Office Departments, Executive Office of the President, and certain independent agencies for fiscal year 1967, and for other purposes. [Approved June 29, 1966.] 8 p. \* Paper, 5c.  
 15700 475. H.R. 6515, act to supplement act of Oct. 6, 1964 establishing Lewis and Clark Trail Commission, and for other purposes. Approved June 29, 1966. 1 p. \* Paper, 5c.  
 15701 476. S. 2142, act to simplify the admeasurement of small vessels. [Approved June 29, 1966.] 2 p. \* Paper, 5c.  
 15702 477. H.R. 7042, act to amend sec. 402(d) of Federal food, drug, and cosmetic act. Approved June 29, 1966. 1 p. \* Paper, 5c.  
 15703 478. S. 1495, act to permit variation of forty-hour workweek of Federal employees for educational purposes. Approved June 29, 1966. 1 p. \* Paper, 5c.  
 15704 481. H.J. Res. 1180, joint resolution making continuing appropriations for fiscal year 1967, and for other purposes. [Approved June 30, 1966.] 3 p. \* Paper, 5c.  
 15705 483. H.R. 13125, act to amend provisions of title 3 of Federal civil defense act of 1950, as amended. Approved June 30, 1966. 1 p. \* Paper, 5c.  
 15706 516. H.R. 10607, act to amend Administrative expenses act of 1946, as amended, to provide for reimbursement of certain moving expenses of employees, and to authorize payment of expenses for storage of household goods and personal effects of employees assigned to isolated duty stations within continental United States. [Approved July 21, 1966.] 3 p. \* Paper, 5c.  
 15707 517. H.R. 9599, act to authorize Secretary of Interior to accept donation by Indiana of George Rogers Clark Memorial for establishment as George Rogers Clark National Historical Park, and for other purposes. Approved July 23, 1966. 1 p. \* Paper, 5c.  
 15708 518. H.R. 8337, act to amend District of Columbia practical nurses licensing act, and for other purposes. [Approved July 25, 1966.] 2 p. \* Paper, 5c.  
 15709 519. H.R. 15860, act to establish District of Columbia Bail Agency, and for other purposes. [Approved July 26, 1966.] 3 p. \* Paper, 5c.  
 15710 520. S. 3150, act to make further provision for retirement of Comptroller General. Approved July 26, 1966. 1 p. \* Paper, 5c.  
 15711 521. H.R. 14888, act to amend act of Feb. 28, 1947, as amended, to authorize Secretary of Agriculture to cooperate in screw-worm eradication in Mexico. Approved July 27, 1966. 1 p. \* Paper, 5c.  
 15712 529. H.R. 13374, act to amend title 10, United States Code to authorize award of trophies for recognition of special accomplishments related to armed forces, and for other purposes. Approved Aug. 11, 1966. 1 p. \* Paper, 5c.  
 15713 530. H.R. 12389, act to increase amount authorized to be appropriated for development of Arkansas Post National Memorial. Approved Aug. 11, 1966. 1 p. \* Paper, 5c.  
 15714 531. S. 3249, act to consent to interstate compact defining boundary between Arizona and California. [Approved Aug. 11, 1966.] 5 p. \* Paper, 5c.  
 15715 532. S. 3498, act to facilitate carrying out of obligations of United States under Convention on Settlement of Investment Disputes between States and nationals of other States, signed Aug. 27, 1965, and for other purposes. Approved Aug. 11, 1966. 1 p. \* Paper, 5c.  
 15716 533. H.R. 11980, act to authorize Secretary of Army to donate 2 obsolete German weapons to Federal Republic of Germany. Approved Aug. 11, 1966. 1 p. \* Paper, 5c.

\*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

# NOVEMBER 1966

- 15717 534. H.R. 3013, act to amend title 10, United States Code, to provide gold star label buttons for next of kin of members of Armed Forces who lost or lose their lives in war or as result of cold war incidents. [Approved Aug. 11, 1966.] 2 p. \* Paper, 5c.
- 15718 535. S. 2412, act to terminate use restrictions on certain real property previously conveyed to city of Kodiak, Alaska, by United States. Approved Aug. 11, 1966. 1 p. \* Paper, 5c.
- 15719 536. H.R. 7327, act to amend limitation on salary of Academic Dean of Naval Postgraduate School. Approved Aug. 11, 1966. 1 p. \* Paper, 5c.
- 15720 537. H.R. 15225, act to amend sec. 15d of Tennessee Valley Authority act of 1933 to increase amount of bonds which may be issued by Tennessee Valley Authority. Approved Aug. 12, 1966. 1 p. \* Paper, 5c.
- 15721 538. H.R. 14875, act to amend sec. 1035 of title 10, United States Code, and other laws, to authorize members of uniformed services who are on duty outside United States or its possessions to deposit their savings with uniformed service, and for other purposes. [Approved Aug. 14, 1966.] 2 p. \* Paper, 5c.
- 15722 539. H.R. 13772, act to authorize disposal of metallurgical grade manganese ore from national stockpile and supplemental stockpile. Approved Aug. 19, 1966. 1 p. \* Paper, 5c.
- 15723 541. H.R. 10284, act to provide that Federal office building under construction in Fort Worth, Tex., shall be named Fritz Garland Lanham Federal Office Building in memory of late Fritz Garland Lanham, Representative from Texas from 1919 to 1947. Approved Aug. 22, 1966. 1 p. \* Paper, 5c.
- 15724 542. S. 3484, act to amend act of June 3, 1966 (Public law 89-441, 80 Stat. 192), relating to Great Salt Lake relict lands. Approved Aug. 23, 1966. 1 p. \* Paper, 5c.
- 15725 543. H.R. 11671, act to approve contract negotiated with El Paso County Water Improvement District No. 1, Tex., to authorize execution, and for other purposes. Approved Aug. 23, 1966. 1 p. \* Paper, 5c.
- 15726 544. H.R. 13881, act to authorize Secretary of Agriculture to regulate transportation, sale, and handling of dogs, cats, and certain other animals intended to be used for purposes of research or experimentation, and for other purposes. [Approved Aug. 24, 1966.] 4 p. \* Paper, 5c.
- 15727 545. H.R. 15456, act making appropriations for legislative branch for fiscal year 1967, and for other purposes. Approved Aug. 27, 1966. 17 p. \* Paper, 10c.
- 15728 546. H.J. Res. 810, joint resolution to authorize the President to proclaim 8th day of September 1966 as International Literacy Day. Approved Aug. 27, 1966. 1 p. \* Paper, 5c.
- 15729 548. H.R. 13277, act to amend revised Organic act of Virgin Islands to provide for reapportionment of legislature of Virgin Islands. Approved Aug. 30, 1966. 1 p. \* Paper, 5c.
- 15730 551. H.R. 8760, act to amend provisions of Oil pollution act, 1961 (33 U.S.C. 1001-15), to implement provisions of International Convention for Prevention of Pollution of Sea by Oil, 1954, as amended, and for other purposes. [Approved Sept. 1, 1966.] 4 p. \* Paper, 5c.
- 15731 552. H.R. 13298, act to amend Organic act of Guam in order to authorize legislature thereof to provide by law for election of its members from election districts. Approved Sept. 2, 1966. 1 p. \* Paper, 5c.
- 15732 553. S. 602, act to amend Small reclamation projects act of 1956. [Approved Sept. 2, 1966.] 2 p. \* Paper, 5c.
- 15733 554. H.R. 10104, act to enact title 5, United States Code, Government organization and employees, codifying general and permanent laws relating to organization of Government of United States and to its civilian officers and employees. [Approved Sept. 6, 1966.] 286 p. \* Paper, 75c.
- 15734 555. H.R. 14921, act making appropriations for sundry independent executive bureaus, boards, commissions, corporations, agencies, offices, and Department of Housing and Urban Development for fiscal year 1967, and for other purposes. [Approved Sept. 6, 1966.] 26 p. \* Paper, 15c.
- 15735 556. H.R. 14596, act making appropriations for Department of Agriculture and related agencies for fiscal year 1967 and for other purposes. [Approved Sept. 7, 1966.] 16 p. \* Paper, 10c.
- 15736 557. S. 490, act to authorize Secretary of Interior to construct, operate, and maintain Manson unit, Chelan division, Chief Joseph Dam project, Wash. and for other purposes. [Approved Sept. 7, 1966.] 2 p. \* Paper, 5c.
- 15737 558. H.R. 2653, act to provide that United States District Court for district of Connecticut shall also be held at New London, Conn. Approved Sept. 7, 1966. 1 p. \* Paper, 5c.
- 15738 559. H.R. 9824, act to amend Life insurance act of District of Columbia, approved June 19, 1934, as amended. Approved Sept. 7, 1966. 1 p. \* Paper, 5c.
- 15739 561. S. 3034, act to authorize Secretary of Interior to engage in feasibility investigations of certain water resource development proposals. [Approved Sept. 7, 1966.] 9 p. \* Paper, 5c.
- 15740 562. S. 3700, act to amend Urban mass transportation act of 1964. [Approved Sept. 8, 1966.] 3 p. \* Paper, 5c.
- 15741 563. S. 3005, act to provide for coordinated national safety program and establishment of safety standards for motor vehicles in interstate commerce to reduce accidents involving motor vehicles and to reduce deaths and injuries occurring in such accidents. [Approved Sept. 9, 1966.] 13 p. \* Paper, 10c.

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# GOVERNMENT PUBLICATIONS

## Public laws, 89th Congress—Continued

- 15742 564. S. 3052, act to provide for coordinated national highway safety program through financial assistance to States to accelerate highway traffic safety programs, and for other purposes. [Approved Sept. 9, 1966.] 7 p. \* Paper, 5c.
- 15743 565. S. 489, act to authorize establishment of San Juan Island National Historical Park in State of Washington, and for other purposes. [Approved Sept. 9, 1966.] 1 p. \* Paper, 5c.
- 15744 567. H.R. 13703, act to make technical amendments to titles 19 and 20 of District of Columbia code. Approved Sept. 10, 1966. 1 p. \* Paper, 5c.
- 15745 568. S. 3105, act to authorize certain construction at military installations, and for other purposes. [Approved Sept. 12, 1966.] 20 p. \* Paper, 10c.
- 15746 569. H.R. 15858, act to amend sec. 6 of District of Columbia redevelopment act of 1945 to authorize early land acquisition for purposes of acquiring sites for replacement of Shaw Junior High School. Approved Sept. 12, 1966. 1 p. \* Paper, 5c.
- 15747 570. H.R. 4665, act relating to income tax treatment of exploration expenditures in case of mining. [Approved Sept. 12, 1966.] 6 p. \* Paper, 5c.
- 15748 572. S. 3418, act to amend Peace Corps act (75 Stat. 612), as amended, and for other purposes. [Approved Sept. 13, 1966.] 2 p. \* Paper, 5c.
- 15749 574. S. 3155, act to authorize appropriations for fiscal years 1968 and 1969 for construction of certain highways in accordance with title 23 of United States Code, and for other purposes. [Approved Sept. 13, 1966.] 6 p. \* Paper, 5c.
- 15750 577. H.R. 8989, act to promote health and safety in metal and nonmetallic mineral industries, and for other purposes. [Approved Sept. 16, 1966.] 13 p. \* Paper, 10c.
- 15751 578. H.R. 13558, act to provide for regulation of professional practice of certified public accountants in District of Columbia, including examination, licensure, registration of certified public accountants, and for other purposes. [Approved Sept. 16, 1966.] 8 p. \* Paper, 5c.
- 15752 579. H.R. 399, act to provide adjustments in order to make uniform estate acquired for Vega Dam and Reservoir, Collbran project, Colo., by authorizing Secretary of Interior to reconvey mineral interests in certain lands. Approved Sept. 16, 1966. 1 p. \* Paper, 5c.
- 15753 580. H.R. 7446, act for relief of certain civilian employees and former civilian employees of Department of Navy at Norfolk Naval Shipyard, Portsmouth, Va. [Approved Sept. 16, 1966.] 2 p. \* Paper, 5c.
- 15754 581. H.R. 790, act to rename lock of Cross-Florida Barge Canal the R. N. Bert Dosh lock. Approved Sept. 16, 1966. 1 p. \* Paper, 5c.
- 15755 584. S. 2747, act to authorize conclusion of agreement with Mexico for joint measures for solution of Lower Rio Grande salinity problem. Approved Sept. 19, 1966. 2 p. \* Paper, 5c.
- 15756 586. S. 112, act to amend Consolidated Farmers Home Administration act of 1961 to authorize loans by Secretary of Agriculture on leasehold interests in Hawaii, and for other purposes. Approved Sept. 19, 1966. 1 p. \* Paper, 5c.
- 15757 587. H.R. 1066, act to amend sec. 11-1701 of District of Columbia Code to increase retirement salaries of certain retired judges. [Approved Sept. 19, 1966.] 2 p. \* Paper, 5c.
- 15758 588. S. 2366, act to repeal certain provisions of act of Jan. 21, 1929 (45 Stat. 1091), as amended. Approved Sept. 19, 1966. 1 p. \* Paper, 5c.
- 15759 589. S. 2858, act to amend sec. 502 of Merchant marine act, 1936, relating to construction differential subsidies. Approved Sept. 19, 1966. 1 p. \* Paper, 5c.
- 15760 590. S. 3576, act to amend sec. 2241 of title 28, United States Code, with respect to jurisdiction and venue of applications for writs of habeas corpus by persons in custody under judgments and sentences of State courts. Approved Sept. 19, 1966. 1 p. \* Paper, 5c.
- 15761 591. H.R. 11087, act to amend District of Columbia income and franchise tax act of 1947, as amended, and District of Columbia business corporation act, as amended, with respect to certain foreign corporations. [Approved Sept. 19, 1966.] 3 p. \* Paper, 5c.
- 15762 593. H.R. 14904, act to revise postal rates on certain 4th-class mail, and for other purposes. [Approved Sept. 20, 1966.] 7 p. \* Paper, 5c.
- 15763 596. S. 254, act to authorize Secretary of Interior to construct, operate, and maintain Tualatin Federal reclamation project, Oreg., and for other purposes. [Approved Sept. 20, 1966.] 2 p. \* Paper, 5c.
- 15764 597. H.R. 14026, act to provide for more flexible regulation of maximum rates of interest or dividends payable by banks and certain other financial institutions on deposits or share accounts, to authorize higher reserve requirements on time deposits at member banks, to authorize open market operations in agency issues by Federal Reserve banks, and for other purposes. [Approved Sept. 21, 1966.] 3 p. \* Paper, 5c.
- 15765 598. S. 2263, act relating to composition of District of Columbia Court of General Sessions. Approved Sept. 21, 1966. 1 p. \* Paper, 5c.
- 15766 599. S. 3051, act granting consent of Congress to compact between Missouri and Kansas creating Kansas City Area Transportation District and Kansas City Area Transportation Authority. [Approved Sept. 21, 1966.] 4 p. \* Paper, 5c.
- 15767 600. H.R. 14205, act to declare Old Georgetown Market a historic landmark and to require its preservation and continued use as public market, and for other purposes. Approved Sept. 21, 1966. 1 p. \* Paper, 5c.

\*For Sale by Superintendent of Documents

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- 15768 601. H.R. 13712, act to amend Fair labor standards act of 1938 to extend its protection to additional employees, to raise minimum wage, and for other purposes. [Approved Sept. 23, 1966.] 15 p. \* Paper, 10c.
- 15769 602. S. 3625, act to designate dam being constructed on Allegheny River, Pa., as Kinzua Dam, and lake to be formed by such dam in Pennsylvania and New York as Allegheny Reservoir. Approved Sept. 24, 1966. 1 p. \* Paper, 5c.
- 15770 603. H.R. 11488, act to authorize grade of brigadier general in Medical Service Corps of Regular Army, and for other purposes. Approved Sept. 24, 1966. 1 p. \* Paper, 5c.
- 15771 604. H.R. 6686, act to amend Civil Service retirement act in order to correct inequity in application of such act with respect to United States Botanic Garden and for other purposes. Approved Sept. 26, 1966. 1 p. \* Paper, 5c.
- 15772 605. H.R. 13508, act to direct Secretary of Interior to cooperate with States of New York and New Jersey on program to develop, preserve, and restore resources of Hudson River and its shores and to authorize certain necessary steps to be taken to protect those resources from adverse Federal actions until States and Congress shall have had opportunity to act on that program. [Approved Sept. 26, 1966.] 2 p. \* Paper, 5c.
- 15773 606. H.R. 15005, act to amend title 10, United States Code, to increase authorized numbers for grade of major, lieutenant colonel, and colonel in Air Force in order to provide active duty promotion opportunities for certain officers, and for other purposes. [Approved Sept. 26, 1966.] 2 p. \* Paper, 5c.
- 15774 607. H.R. 3041, act to amend title 10, United States Code to exempt certain contractors from requirement for examination-of-records clause. [Approved Sept. 27, 1966.] 2 p. \* Paper, 5c.
- 15775 608. H.R. 11979, act to extend authority for payment of special allowances to evacuated dependents of members of uniformed services, and for other purposes. Approved Sept. 30, 1966. 1 p. \* Paper, 5c.
- 15776 609. H.R. 420, act to amend title 10, United States Code, to authorize commissioning of male persons in Regular Army in Army Nurse Corps, Army Medical Specialist Corps, Regular Navy in Nurse Corps and Regular Air Force with view to designation as Air Force nurses and medical specialists, and for other purposes. [Approved Sept. 30, 1966.] 4 p. \* Paper, 5c.
- 15777 610. H.R. 11487, act to provide revenue for District of Columbia, and for other purposes. [Approved Sept. 30, 1966.] 5 p. \* Paper, 5c.

## ATOMIC ENERGY JOINT COMMITTEE Washington, D.C. 20515

- 15778 Proposed amendments to Price-Anderson act relating to waiver of defenses, hearings, 89th Congress, 2d session, July 19-21, 1966. 1966. v+345 p. il. \* Paper, \$1.00. ● Item 999  
L.C. card 66-62488 Y 4.At 7/2: P 93

## ECONOMIC JOINT COMMITTEE Washington, D.C. 20510

- 15779 Job vacancy statistics, report of Subcommittee on Economic Statistics. 1966. v+6 p. (Joint committee print, 89th Congress, 2d session.) \* Paper, 10c. ● Item 1000  
L.C. card 66-61885 Y 4.Ec 7: J 57/2

## HOUSE OF REPRESENTATIVES Washington, D.C. 20515

### House documents

NOTE.—All House documents, entries for which are followed by a †, may be obtained from the House Document Room or from the issuing office.

#### House documents, 89th Congress.

- 15779A 235. Analysis of sources of information on population of Navaho [with bibliography]; by Denis Foster Johnston. 1966. v+220 p. il. map. \* (Available in departmental edition, Cloth, \$2.00, SI 2.3:197, and sent to depositories in that form. See Entry no. 15498)
- 15780 314. Prayers offered by Chaplain Bernard Brskamp at opening of daily sessions of House of Representatives in 89th Congress to time of his demise, Jan. 4, 1965-Feb. 22, 1966. 1966. xviii+67 p. 1 por. † (To be sent to depository libraries in Serial set binding.)  
L.C. card 28-3037
- 15781 377. Statistical abstract of United States, 1966 [National data book and guide to sources]. 87th annual edition. [1966.] [1]+xii+1039 p. il. [Prepared under direction of Edwin D. Goldfield, chief, Statistical Reports Division. Includes copyright material.] \* (Available in departmental edition, cloth, \$3.75, C 3.134:966, and sent to depositories in that form. See Entry no. 15597.)

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# GOVERNMENT PUBLICATIONS

## House documents, 89th Congress—Continued

- 15782 436. Animas-La Plata project, Colo. and N. Mex., letter from Secretary of Interior transmitting report; May 4, 1966. 1966. xxiv+289 p. il. 10 maps. 5 tab. [Some maps are colored.] † (To be sent to depositories libraries in Serial set binding).  
L.C. card 66-62732
- 15783 452. Washington metropolitan area transit regulation compact, communication from President of United States, transmitting draft of proposed legislation to grant consent of Congress for Virginia and Maryland and District of Columbia to amend Washington metropolitan area transit regulation compact to establish organization empowered to provide transit facilities in National Capital region and for other purposes and to enact said amendment for District of Columbia; June 9, 1966. 1966. vi+30 p. †  
● Item 996
- 15784 454. Amendment for appropriations for Department of Interior, fiscal year 1967. June 22, 1966. 2 p. † ● Item 996
- 15785 465. Unified national program for managing flood losses, communication from the President of United States transmitting report by Task Force on Federal Flood Control Policy, Aug. 10, 1966. 1966. viii+47 p. il. [Corrected print.] † ● Item 996  
L.C. card 66-62313
- 15786 470. Constitution of United States, [text with] analytical index, unratified amendments [prepared by Charles J. Zinn]; Aug. 18, 1966. 1966. viii+72 p. [Revision of House document 112, 88th Congress.] \* Paper, 25c. ● Item 996
- 15787 493. Small Business Administration budget [fiscal year] 1967 amendments. Sept. 12, 1966. 11 p. † ● Item 996

## House reports

NOTE.—For titles of bills which these reports accompany, see Congressional record index.

### House reports on private bills, 89th Congress. † House Document Room, Capitol. ● Item 1008-B

- 15788 1813. For relief of Mule Creek Oil Co., Inc., Delaware corporation. Report from Committee on Interior and Insular Affairs to accompany H.R. 8699. Aug. 5, 1966. 5 p.
- 15789 1815. Amend charter of Southeastern University of D.C. Report from Committee on District of Columbia to accompany H.R. 16608. Aug. 5, 1966. 7 p.
- 15790 1863. Amend charter of Trinity College of Washington, D.C. Report from Committee on District of Columbia to accompany H.R. 16940. Aug. 18, 1966. 4 p.
- 15791 1947. Gizella Erényi. Report from Committee on Judiciary to accompany H.R. 1227. Sept. 1, 1966. 4 p.
- 15792 1948. Maria Rossi. Report from Committee on Judiciary to accompany H.R. 2129. Sept. 1, 1966. 6 p.
- 15793 1952. Kim Kap Yung. Report from Committee on Judiciary to accompany H.R. 12826. Sept. 1, 1966. 4 p.
- 15794 1971. Dr. Alfredo Hernandez. Report from Committee on Judiciary to accompany S. 2865. Sept. 1, 1966. 4 p.
- 15795 1981. Dr. Alonso Portuondo. Report from Committee on Judiciary to accompany S. 3189. Sept. 2, 1966. 7 p.
- 15796 1984. Michael P. Buckley. Report from Committee on Judiciary to accompany H.R. 1890. Sept. 6, 1966. 4 p.
- 15797 1985. Herman Feldman. Report from Committee on Judiciary to accompany H.R. 4454. Sept. 6, 1966. 6 p.
- 15798 1989. Mrs. Elisabeth Manninen. Report from Committee on Judiciary to accompany H.R. 10249. Sept. 6, 1966. 4 p.
- 15799 1990. Leonard J. Dalton. Report from Committee on Judiciary to accompany H.R. 10662. Sept. 6, 1966. 6 p.
- 15800 1991. Chief Warrant Officer Joseph J. McGavin. Report from Committee on Judiciary to accompany H.R. 11467. Sept. 6, 1966. 6 p.
- 15801 1993. Arthur Anderson. Report from Committee on Judiciary to accompany H.R. 11946. Sept. 6, 1966. 4 p.
- 15802 1994. Nora Austin Hendrickson. Report from Committee on Judiciary to accompany H.R. 13134. Sept. 6, 1966. 4 p.
- 15803 1995. Cecil A. Rhodes. Report from Committee on Judiciary to accompany H.R. 13459. Sept. 6, 1966. 4 p.
- 15804 1996. Sp5c Ronald J. Olson. Report from Committee on Judiciary to accompany H.R. 13800. Sept. 6, 1966. 3 p.
- 15805 1997. Thomas C. Macpherson, jr. Report from Committee on Judiciary to accompany H.R. 14525. Sept. 6, 1966. 4 p.
- 15806 2001. Walter W. Taylor. Report from Committee on Judiciary to accompany H.R. 15251. Sept. 6, 1966. 4 p.
- 15807 2002. Leonard G. Duffy. Report from Committee on Judiciary to accompany H.R. 15297. Sept. 6, 1966. 3 p.
- 15808 2003. H. Foster Hunter. Report from Committee on Judiciary to accompany H.R. 1269. Sept. 6, 1966. 4 p.
- 15809 2006. Lt. Samuel R. Rondberg. Report from Committee on Judiciary to accompany S. 766. Sept. 6, 1966. 3 p.
- 15810 2007. Kermit Wager, of Lebanon, S. Dak. Report from Committee on Judiciary to accompany S. 1571. Sept. 6, 1966. 4 p.

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- 15811 2008. Donald I. Abbott. Report from Committee on Judiciary to accompany S. 2177. Sept. 6, 1966. 4 p.
- 15812 2022. Mr. and Mrs. William Nussbaum. Report from Committee on Judiciary to accompany H.R. 14819. Sept. 12, 1966. 4 p.
- 15813 2023. Eugene G. Peterson, Harry E. Byers, and Russell W. Jordan. Report from Committee on Judiciary to accompany H.R. 16977. Sept. 12, 1966. 4 p.
- 15814 2024. Dino J. Caterini. Report from Committee on Judiciary to accompany H.R. 17259. Sept. 12, 1966. 3 p.
- 15815 2025. Robert A. Jellison. Report from Committee on Judiciary to accompany H.R. 17260. Sept. 12, 1966. 3 p.
- 15816 2026. Augustus J. Theodore. Report from Committee on Judiciary to accompany H.R. 17261. Sept. 12, 1966. 3 p.
- 15817 2028. Dr. Eric J. Lazaro. Report from Committee on Judiciary to accompany H.R. 3526. Sept. 12, 1966. 4 p.
- 15818 2029. Dr. Miguel Angel Martinez y Corpas. Report from Committee on Judiciary to accompany H.R. 3530. Sept. 12, 1966. 4 p.
- 15819 2030. Dr. Julio Cesar Muniz y Sotolongo. Report from Committee on Judiciary to accompany H.R. 3531. Sept. 12, 1966. 4 p.
- 15820 2031. Dr. Jose A. G. Mendoza, Rosa Centurion Mendoza, Rosa Maria Mendoza, Jose Antonio Mendoza, Raimundo Mendoza, and Ernesto Mendoza. Report from Committee on Judiciary to accompany H.R. 6115. Sept. 12, 1966. 4 p.
- 15821 2032. Dr. Emilio V. Soto. Report from Committee on Judiciary to accompany H.R. 7579. Sept. 12, 1966. 3 p.
- 15822 2033. Dr. Antonio B. Santillano. Report from Committee on Judiciary to accompany H.R. 10288. Sept. 12, 1966. 3 p.
- 15823 2034. Dr. Luis Anglo. Report from Committee on Judiciary to accompany H.R. 11516. Sept. 12, 1966. 3 p.
- 15824 2035. Nermin Demirbag Lavapies. Report from Committee on Judiciary to accompany H.R. 13192. Sept. 12, 1966. 5 p.
- 15825 2036. Renato Camacho Castro. Report from Committee on Judiciary to accompany H.R. 14984. Sept. 12, 1966. 4 p.
- 15826 2037. Authorizing Secretary of Interior to convey certain lands in Plumas County, Calif., to C. A. Lundy. Report from Committee on Interior and Insular Affairs to accompany H.R. 3104. Sept. 12, 1966. 5 p.
- 15827 2053. Dr. Bienvenido Benach Carreras. Report from Committee on Judiciary to accompany H.R. 6226. Sept. 21, 1966. 4 p.
- 15828 2054. Dr. Hilda Wenceslao Perez de Gonzalez. Report from Committee on Judiciary to accompany H.R. 6658. Sept. 21, 1966. 4 p.
- 15829 2055. Dr. Myriam de la Caridad Ares y Fernandez de Bosch. Report from Committee on Judiciary to accompany H.R. 6899. Sept. 21, 1966. 4 p.
- 15830 2056. Dr. Allan Bauml. Report from Committee on Judiciary to accompany H.R. 10259. Sept. 21, 1966. 5 p.
- 15831 2057. Dr. Pedro Raphael. Report from Committee on Judiciary to accompany H.R. 11224. Sept. 21, 1966. 3 p.
- 15832 2058. Dr. Jacinta Llorens. Report from Committee on Judiciary to accompany H.R. 11590. Sept. 21, 1966. 3 p.
- 15833 2059. Dr. Augusto J. Fernandez-Conde. Report from Committee on Judiciary to accompany H.R. 12317. Sept. 21, 1966. 3 p.
- 15834 2060. Mario P. Navarro. Report from Committee on Judiciary to accompany H.R. 13101. Sept. 21, 1966. 3 p.
- 15835 2061. Dr. Antonio Rondon Delgado. Report from Committee on Judiciary to accompany H.R. 16610. Sept. 21, 1966. 3 p.

House reports on public bills, 89th Congress. † House Document Room, Capitol. (Nos. 1643, 2081, 2087, and 2257 are sold by Superintendent of Documents.) ● Item 1008-A

- 15836 1626. Disposition of sundry papers. Report from Joint Committee on Disposition of Executive Papers. June 16, 1966. 2 p.
- 15837 1637. Authorizing study of facilities and services for visitors to Nation's Capital. Report from Committee on Public Works to accompany H.R. 14604. June 18, 1966. 6 p.
- 15838 1638. Marine Corps general officers. Report from Committee on Armed Services to accompany H.R. 14741. June 20, 1966. 12 p.
- 15839 1639. Removing inequities in active duty promotion opportunities of certain Air Force officers. Report from Committee on Armed Services to accompany H.R. 15005. June 20, 1966. 11 p.
- 15840 1640. Two-year extension of Federal reserve direct purchase authority. Report from Committee on Banking and Currency to accompany S. 3368. June 21, 1966.
- 15841 1641. Consideration of H.R. 13196. Report from Committee on Rules to accompany H. Res. 892. June 21, 1966. 1 p.
- 15842 1642. Consideration of H.R. 15119. Report from Committee on Rules to accompany H. Res. 893. June 21, 1966. 1 p.
- 15843 1643. Unshackling local government, survey of proposals by Advisory Commission on Intergovernmental Relations. 30th report by Committee on Government Operations; June 22, 1966. 1966. viii+47 p. \* Paper, 20c. L.C. card 66-62038
- 15844 1645. Making further provision for retirement of Comptroller General. Report from Committee on Government Operations to accompany S. 3150. June 22, 1966. 8 p.
- 15845 1646. Consideration of S. 3368. Report from Committee on Rules to accompany H. Res. 894. June 22, 1966. 1 p.

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## House reports on public bills, 89th Congress—Continued

- 15846 1647. Increase in FNMA borrowing authority. Report from Committee on Banking and Currency to accompany H.R. 15639. June 22, 1966. 9 p. [Includes minority and supplemental views.]
- 15847 1648. Separating storm and sanitary sewers in urban renewal (water pollution control and abatement). 32d report by Committee on Government Operations; June 23, 1966. v+20 p.  
L.C. card 66-62024
- 15848 1649. 11th NATO Parliamentarians' Conference, report of United States House of Representatives delegation to 11th conference of members of parliament from NATO countries, held in New York City, Oct. 4-9, 1965, pursuant to Public law 689, 84th Congress; June 23, 1966. 1966. v+47 p.  
L.C. card 57-61187
- 15849 1650. Amending National Science Foundation act of 1950 to make improvements in organization and operation of Foundation. Report from Committee on Science and Astronautics to accompany H.R. 14838. June 23, 1966. 54 p.  
L.C. card 66-62036
- 15850 1651. Foreign assistance act of 1966. Report of Committee on Foreign Affairs on H.R. 15750; June 23, 1966. 1966. iv+91 p. [Includes supplemental, separate and minority views.]
- 15851 1653. Amending District of Columbia practical nurses' licensing act. Report from Committee on District of Columbia to accompany H.R. 8337. June 24, 1966. 6 p.
- 15852 1654. Credit insurance with respect to student loans. Report from Committee on District of Columbia to accompany H.R. 10823. June 24, 1966. 7 p.
- 15853 1656. Amend District of Columbia police and firemen's salary act. Report from Committee on District of Columbia to accompany H. R. 15857. June 24, 1966. 12 p.
- 15854 1659. Shrine convention in District of Columbia. Report from Committee on District of Columbia to accompany H.J. Res. 1178. June 24, 1966. 4 p. 4<sup>o</sup>
- 15855 1660. Providing that common-law marriages may not be contracted in District of Columbia. Report from Committee on District of Columbia to accompany H.R. 5426. June 24, 1966. 3 p.
- 15856 1662. Continuing appropriations, 1967. Report from Committee on Appropriations to accompany H.J. Res. 1180. June 27, 1966. 3 p.
- 15857 1665. San Juan Island National Historical Park, Wash. Report from Committee on Interior and Insular Affairs to accompany H.R. 2623. June 27, 1966. 7 p.
- 15858 1667. Consideration of H.R. 5256. Report from Committee on Rules to accompany H. Res. 895. June 27, 1966. 1 p.
- 15859 1669. Consideration of H.R. 14741. Report from Committee on Rules to accompany H. Res. 897. June 27, 1966. 1 p.
- 15860 1670. Consideration of H.R. 15005. Report from Committee on Rules to accompany H. Res. 898. June 27, 1966. 1 p.
- 15861 1671. Extending civil defense emergency authorities. Report from Committee on Armed Services to accompany H.R. 13125. June 27, 1966. 8 p.
- 15862 1680. Consideration of H.R. 15750. Report from Committee on Rules to accompany H. Res. 906. June 30, 1966. 1 p.
- 15863 1795. Authorizing establishment and operation of sea grant colleges and programs. Report from Committee on Merchant Marine and Fisheries to accompany H.R. 16559. Aug. 1, 1966. 18 p.  
L.C. card 66-62063
- 15864 1801. Authorizing Administrator of General Services to accept title to John Fitzgerald Kennedy Library, and for other purposes. Report from Committee on Government Operations to accompany H.J. Res. 1207. Aug. 2, 1966. 26 p.
- 15865 1802. Amending National school lunch act. Report from Committee on Education and Labor to accompany S. 3467. Aug. 3, 1966. 23 p.
- 15866 1807. Philippine hospitalization and medical care. Report from Committee on Veterans' Affairs to accompany H.R. 16330. Aug. 4, 1966. 9 p.
- 15867 1808. War orphans' training for children of certain Philippine veterans. Report from Committee on Veterans' Affairs to accompany H.R. 16367. Aug. 4, 1966. 7 p.
- 15868 1810. False representations by mail. Report from Committee on Post Office and Civil Service to accompany H.R. 16706. Aug. 4, 1966. 8 p.
- 15869 1812. Repealing certain provisions of act of Jan. 21, 1929 (45 Stat. 1091), as amended. Report from Committee on Interior and Insular Affairs to accompany S. 2366. Aug. 5, 1966. 5 p.
- 15870 1816. Amend Presidential inaugural ceremonies act. Report from Committee on District of Columbia to accompany H.R. 6143. Aug. 5, 1966. 4 p.
- 15871 1817. Remove limit on authority of D.C. Commissioners to settle claims of District of Columbia in escheat cases. Report from Committee on District of Columbia to accompany H.R. 15706. Aug. 5, 1966. 5 p.
- 15872 1818. Expand membership of Police Department band. Report from Committee on District of Columbia to accompany H.R. 8205. Aug. 5, 1966. 6 p.

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- 15873 1820. Creating independent Federal Maritime Administration. Report from Committee on Merchant Marine and Fisheries to accompany H.R. 11696. Aug. 8, 1966. 16 p.
- 15874 1833. Consideration of H.R. 11696. Report from Committee on Rules to accompany H. Res. 967. Aug. 11, 1966. 1 p.
- 15875 1870. Connecticut River National Recreation Area. Report from Committee on Interior and Insular Affairs to accompany S. 3510. Aug. 24, 1966. 4 p.
- 15876 1876. Consideration of H.R. 11880. Report from Committee on Rules to accompany H. Res. 977. Aug. 24, 1966. 1 p.
- 15877 1879. Consideration of H.R. 16330. Report from Committee on Rules to accompany H. Res. 980. Aug. 24, 1966. 1 p.
- 15878 1880. Consideration of H.R. 16367. Report from Committee on Rules to accompany H. Res. 981. Aug. 24, 1966. 1 p.
- 15879 1884. Federal tax lien act of 1966. Report of Committee on Ways and Means to accompany H.R. 11256; Aug. 24, 1966. 1966. v+123 p.  
L.C. card 66-62481
- 15880 1886. Department of Defense appropriations, 1967. Conference report to accompany H.R. 15941. Aug. 24, 1966. 6 p.
- 15881 1887. Military construction authorization, fiscal year 1967. Conference report to accompany S. 3105. Aug. 24, 1966. 44 p.
- 15882 1888. Printing of hearings on supplemental foreign assistance, fiscal year 1966, Vietnam. Conference report to accompany S. Con. Res. 77. Aug. 25, 1966. 2 p.
- 15883 1891. National Commission on Reform of Federal Criminal Laws. Report from Committee on Judiciary to accompany H.R. 15766. Aug. 25, 1966. 7 p.
- 15884 1892. Habeas corpus, State custody. Report from Committee on Judiciary to accompany H.R. 5958. Aug. 25, 1966. 37 p.  
L.C. card 66-62478
- 15885 1893. Civil action venue amendment. Report from Committee on Judiciary to accompany H.R. 7382. Aug. 25, 1966. 4 p.
- 15886 1894. Habeas corpus, jurisdiction and venue amendments. Report from Committee on Judiciary to accompany H.R. 7618. Aug. 25, 1966. 9 p.
- 15887 1896. Pictured Rocks National Lakeshore, Mich. Report from Committee on Interior and Insular Affairs to accompany H.R. 8678. Aug. 25, 1966. 16 p.  
L.C. card 66-62480
- 15888 1898. To amend act of Aug. 24, 1935, to require certain contractors with United States to give affidavit with respect to payment of subcontractors. Report from Committee on Judiciary to accompany H.R. 4497. Aug. 25, 1966. 9 p.
- 15889 1899. City of Umatilla, Oreg. Report from Committee on Judiciary to accompany H.R. 6103. Aug. 25, 1966. 4 p.
- 15890 1900. Consideration of H.R. 13361. Report from Committee on Rules to accompany H. Res. 990. Aug. 25, 1966. 1 p.
- 15891 1914. Washington Metropolitan Area Transit Authority. Report together with additional views from Committee on Judiciary to accompany H.J. Res. 1163. Aug. 30, 1966. 59 p. [Corrected print.]  
L.C. card 66-62649
- 15892 1916. Establishing program for preservation of additional historic properties throughout Nation. Report from Committee on Interior and Insular Affairs to accompany S. 3035. Aug. 30, 1966. 18 p. [Corrected print.]
- 15893 1917. Hudson River Basin compact. Report from Committee on Interior and Insular Affairs to accompany H.R. 13508. Aug. 30, 1966. 22 p.
- 15894 1924. Authorizing Secretary of Health, Education, and Welfare to make certain grants to Menominee Indian people of Menominee County, Wis. Report from Committee on Interior and Insular Affairs to accompany H.R. 8034. Aug. 31, 1966. 14 p.
- 15895 1928. Committee on Un-American Activities, annual report for year 1965 (89th Congress, 1st session); Aug. 31, 1966. 1966. ix+67+vii p.  
L.C. card 46-26390
- 15896 1930. Amending certain provisions of Welfare and pension plans disclosure act. Report from Committee on Education and Labor to accompany H.R. 11778. Sept. 1, 1966. 9 p.
- 15897 1931. Demonstration cities and metropolitan development act of 1966. Report from Committee on Banking and Currency to accompany S. 3708. Sept. 1, 1966. 169 p. [Includes minority and other views.]  
L.C. card 66-62627
- 15898 1959. Consideration of H.R. 13825. Report from Committee on Rules to accompany H. Res. 1006. Sept. 1, 1966. 1 p.
- 15899 2004. Fair labor standards amendments of 1966. Conference report to accompany H.R. 13712. Sept. 6, 1966. 22 p.
- 15900 2009. Audit of Disabled American Veterans accounts. Report from Committee on Veterans' Affairs to accompany H.R. 15358. Sept. 7, 1966. 4 p.
- 15901 2010. NSLI refunds, Philippine peso payments. Report from Committee on Veterans' Affairs to accompany H.R. 16557. Sept. 7, 1966. 12 p.
- 15902 2011. Veterans pension act of 1966. Report from Committee on Veterans' Affairs to accompany H.R. 17488. Sept. 7, 1966. 29 p.
- 15903 2012. Creating Select Committee on Standards and Conduct. Report from Committee on Rules to accompany H. Res. 1013. Sept. 7, 1966. 1 p.
- 15904 2014. Granting additional travel authority to Committee on Public Works. Report from Committee on Rules to accompany H. Res. 968. Sept. 7, 1966. 1 p.



# GOVERNMENT PUBLICATIONS

## House reports on public bills, 89th Congress—Continued

- 15905 2015. Granting additional travel authority to Committee on Public Works. Report from Committee on Rules to accompany H. Res. 969. Sept. 7, 1966. 1 p.
- 15906 2017. Manpower development and training amendments of 1966. Report from Committee on Education and Labor to accompany H.R. 16715. Sept. 8, 1966. 23 p.
- 15907 2019. District of Columbia appropriation bill, 1967. Report from Committee on Appropriations to accompany H.R. 17636. Sept. 9, 1966. 28 p.
- 15908 2020. Military construction appropriation bill, 1967. Report from Committee on Appropriations to accompany H.R. 17637. Sept. 9, 1966. 63 p.
- 15909 2021. Water pollution control. Report of Committee on Public Works with supplementary and additional views on H.R. 16076; Sept. 9, 1966. 1966. iii+97 p.  
L.C. card 66-62648
- 15910 2039. Repealing coolly trade laws. Report from Committee on Judiciary to accompany H.R. 825. Sept. 12, 1966. 4 p.
- 15911 2041. Authorizing Secretary of Interior to convey certain lands in Maine to Mount Desert Island Regional School District. Report from Committee on Interior and Insular Affairs to accompany S. 3261. Sept. 12, 1966. 3 p.
- 15912 2042. Update Federal seed act. Report from Committee on Agriculture to accompany H.R. 15662. Sept. 14, 1966. 22 p.
- 15913 2043. Amendments to Price-Anderson indemnity provisions of Atomic energy act of 1954, as amended, pertaining to waiver of defenses. Report from Joint Committee on Atomic Energy to accompany H.R. 17685. Sept. 14, 1966. 33 p.
- 15914 2044. Public works appropriations bill, 1967. Report from Committee on Appropriations to accompany H.R. 17787. Sept. 15, 1966. 94 p.
- 15915 2045. Foreign assistance and related agencies appropriation bill, 1967. Report from Committee on Appropriations to accompany H.R. 17788. Sept. 16, 1966. 38 p. [Includes additional views of Mr. Conte.]
- 15916 2046. Rural renewal amendments. Report from Committee on Agriculture to accompany H.R. 13669. Sept. 19, 1966. 5 p.
- 15917 2047. Increasing positions in GS-16, 17, and 18. Conference report to accompany S. 2393. Sept. 20, 1966. 6 p.
- 15918 2049. Reorganization plan no. 5 of 1966 (National Capital Regional Planning Council). 37th report by Committee on Government Operations; Sept. 21, 1966. 1966. v+7 p.
- 15919 2051. Crisis in NATO. Report of Subcommittee on Europe of Committee on Foreign Affairs on hearings held Mar. 17-June 13, 1966, pursuant to H. Res. 84; Sept. 21, 1966. 1966. ix+13 p. [Also issued in committee print form.]
- 15920 2065. Amending act to establish Advisory Commission on Intergovernmental Relations, approved Sept. 24, 1959. Report from Committee on Government Operations to accompany H.R. 15335. Sept. 22, 1966. 12 p.
- 15921 2066. Three vested German paintings. Report from Committee on Interstate and Foreign Commerce to accompany H.R. 12543. Sept. 22, 1966. 7 p.
- 15922 2067. Point Reyes National Seashore, Calif. Report from Committee on Interior and Insular Affairs to accompany S. 1607. Sept. 22, 1966. 10 p.  
L.C. card 66-62730
- 15923 2071. Consideration of H.R. 51. Report from Committee on Rules to accompany H. Res. 1024. Sept. 23, 1966. 1 p.
- 15924 2072. Consideration of H.R. 13161. Report from Committee on Rules to accompany H. Res. 1025. Sept. 23, 1966. 1 p.
- 15825 2073. Consideration of H.R. 16076. Report from Committee on Rules to accompany H. Res. 1026. Sept. 23, 1966. 1 p.
- 15926 2074. Consideration of H.R. 17685. Report from Committee on Rules to accompany H. Res. 1027. Sept. 23, 1966. 1 p.
- 15927 2075. Food for peace. Conference report to accompany H.R. 14929. Sept. 23, 1966. 21 p.  
L.C. card 66-62762
- 15928 2076. Fair packaging and labeling act. Report from Committee on Interstate and Foreign Commerce to accompany H.R. 15440. Sept. 23, 1966. 29 p.  
L.C. card 66-62761
- 15929 2080. Better management needed of medical research on aging. 38th report by Committee on Government Operations, Sept. 26, 1966. 1966. v+27 p.  
L.C. card 66-62726
- 15930 2081. Use of polygraphs as lie detectors by Federal Government, pt. 2. 39th report by Committee on Government Operations; Sept. 26, 1966. 1966. v+700 p. [Includes additional views.] \* Paper, 25c.  
L.C. card 65-61032
- 15931 2086. Establish contiguous fisheries zone beyond territorial sea of United States. Report from Committee on Merchant Marine and Fisheries to accompany H.R. 9531. Sept. 26, 1966. 16 p.  
L.C. card 66-62724
- 15932 2087. Suspensions of investment credit and accelerated depreciation. Report of Committee on Ways and Means to accompany H.R. 17607; Sept. 26, 1966. 1966. iv+49 p. [Includes concurring and dissenting views.] \* Paper, 20c.  
L.C. card 66-62727

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- 15933 2140. Geothermal steam. Report from Committee on Interior and Insular Affairs to accompany S. 1674. Sept. 28, 1966. 36 p.
- 15934 2141. Disaster relief act of 1966. Report of Committee on Public Works with minority and supplementary views on S. 1861; Sept. 28, 1966. 1966. ii+63 p.
- 15935 2154. Fur seal act of 1966. Report from Committee on Merchant Marine and Fisheries to accompany S. 2102. Sept. 29, 1966. 33 p.
- 15936 2157. Reserve for certain guaranteed debt obligations. Report from Committee on Ways and Means to accompany H.R. 11782. Sept. 30, 1966. 13 p.
- 15937 2159. Small business investment act amendments of 1966. Report together with supplemental views from Committee on Banking and Currency to accompany H.R. 18021. Sept. 30, 1966. 26 p.
- 15938 2160. Departments of State, Justice, and Commerce, the judiciary, and related agencies appropriation bill, fiscal year 1967. Report from Committee on Appropriations to accompany H.R. 18119. Sept. 30, 1966. 43 p.
- 15939 2162. Authorizing Secretary of Interior to preserve, protect, develop, restore, and make accessible estuarine areas of Nation. Report from Committee on Merchant Marine and Fisheries to accompany H.R. 13447. Sept. 30, 1966. 39 p.  
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- 15940 2164. Continuing Federal airport program. Report from Committee on Interstate and Foreign Commerce to accompany H.R. 13665. Sept. 30, 1966. 20 p.
- 15941 2165. Authorizing production of fish protein concentrate. Report from Committee on Merchant Marine and Fisheries to accompany H.R. 14699. Sept. 30, 1966. 20 p.  
L.C. card 66-62671
- 15942 2166. Child protection act of 1966. Report from Committee on Interstate and Foreign Commerce to accompany S. 3298. Oct. 1, 1966. 33 p.  
L.C. card 66-62673
- 15943 2167. Veterinary medical education act of 1966. Report from Committee on Interstate and Foreign Commerce to accompany H.R. 3348. Oct. 1, 1966. 19 p.  
L.C. card 66-62675
- 15944 2168. Animal drug amendments of 1966. Report from Committee on Interstate and Foreign Commerce to accompany H.R. 16474. Oct. 1, 1966. 48 p.
- 15945 2169. Amending Railroad retirement act of 1937 and Railroad retirement tax act. Report from Committee on Interstate and Foreign Commerce to accompany H.R. 17285. Oct. 1, 1966. 37 p.
- 15946 2170. Clean air act amendments of 1966. Report from Committee on Interstate and Foreign Commerce to accompany S. 3112. Oct. 1, 1966. 16 p.
- 15947 2171. Amending Railroad retirement act of 1937, Railroad unemployment insurance act, and Railroad retirement tax act. Report from Committee on Interstate and Foreign Commerce to accompany H.R. 14355. Oct. 1, 1966. 53 p.
- 15948 2184. Highway construction practices in Louisiana and related matters: pt. 1, Construction practices; pt. 2, Record sampling program; pt. 3, Secondary road program. 9th interim report of Special Subcommittee on Federal-Aid Highway Program to Committee on Public Works Oct. 4, 1966. 1966. v+196 p.
- 15949 2192. To remove promotion restrictions on women in Armed Forces, and for other purposes. Report from Committee on Armed Services to accompany H.R. 16000. Oct. 5, 1966. 108 p.
- 15950 2257. Investigation of U.S. economic and military assistance programs in Vietnam. 42d report by Committee on Government Operations; Oct. 12, 1966. 1966. viii+130 p. il. [Includes additional views.] \* Paper. 40c.

## *Agriculture Committee, House*

*Washington, D.C. 20515*

[Committee hearings] serial, 89th Congress. † ● Item 1010

- 15951 QQ. Sale of grain storage facilities, hearing before Subcommittee on Domestic Marketing and Consumer Relations, 89th Congress, 2d session, on H.R. 12360, July 18, 1966. 1966. iii+30 p.  
L.C. card 66-62397 Y 4.Ag 8/1: G 76/15
- 15952 SS. Amend Federal seed act, hearing, 89th Congress, 2d session, on H.R. 15662, H.R. 16280, H.R. 16397, H.R. 16737 and H.R. 16889, Aug. 23, 1966. 1966. iii+20 p.  
L.C. card 66-62613 Y 4.Ag 8/1: Se 3/12/966
- 15953 TT. Bread prices, hearings before Subcommittee on Wheat, 89th Congress, 2d session, Aug. 8-17, 1966. 1966. iii+200 p. il. Y 4.Ag 8/1: B 74/3
- 15954 Food costs, farm prices, compilation of information relating to agriculture, 89th Congress, 2d session; Sept. 1966. 1966. xi+96 p. il. (Committee print, 89th Congress, 2d session.) ‡  
L.C. card 66-62310 Y 4.Ag 8/1: F 73/22/966-2

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## *Appropriations Committee, House* *Washington, D.C. 20515*

- 15955 Departments of State, Justice, Commerce, the Judiciary, and related agencies appropriations for 1967, hearings before subcommittee, 89th Congress, 2d session: American Battle Monuments Commission, civil rights educational activities, Commission on Civil Rights, Equal Employment Opportunity Commission, Federal Maritime Commission, Foreign Claims Settlement Commission, President's Commission on Law Enforcement and Administration of Justice and on Crime in District of Columbia, Small Business Administration, Special Representative for Trade Negotiations, Subversive Activities Control Board, testimony of Members of Congress, interested individuals, and organizations, Arms Control and Disarmament Agency, U.S. Information Agency, Tariff Commission. 1966. ii+812+vi p. il. † ● Item 1011  
L.C. card 66-62606 Y 4.Ap 6/1: St 2/3/967
- 15956 — Department of Commerce. 1966. ii+1022+viii p. il. † ● Item 1011  
L.C. card 66-62586 Y 4.Ap 6/1: C 73/2/967
- 15957 — Department of Justice. 1966. ii+467+iv p. il. † ● Item 1011  
L.C. card 61-61434 Y 4.Ap 6/1: J 98/967
- 15958 — Department of State. 1966. ii+944+vi p. † ● Item 1011  
L.C. card 60-60934 Y 4.Ap 6/1: St 2/967
- 15959 — The Judiciary. 1966. ii+137+iii p. il. † ● Item 1011  
L.C. card 60-60885 Y 4.Ap 6/1: J 89/967
- 15960 Supplemental appropriation bill, 1967, hearings before subcommittees, 89th Congress, 2d session. ● Item 1011  
L.C. card 66-62776 Y 4.Ap 6/1: Ap 6/2/967/pt.1  
pt. 1. Office of Economic Opportunity, Office of Education; [Oct. 3-5, 1966]. 1966. ii+1-606+vi p. il.

## *Armed Services Committee, House* *Washington, D.C. 20515*

[Papers], 89th Congress. † ● Item 1012 Y 4.Ar 5/2a: 965-966/(nos.)

NOTE.—These papers consist largely of hearings. They are paged continuously for binding at the end of session of Congress under title "Hearings before Committee on Armed Services of the House of Representatives on sundry legislation affecting the naval and military establishments." Title page, contents, and index are issued for each volume.

- 15961 85. Report of Special Subcommittee visiting American military installations and NATO bases in France, by special subcommittee, 89th Congress, 2d session, Sept. 12, 1966. 1966. v+10377-651 p.  
L.C. card 66-62401
- 15962 86. Hearings on H.R. 16435 and H.R. 17195 to amend titles 10, 14, 32 and 37, United States Code, to strengthen Reserve components of Armed Forces, and clarify status of National Guard technicians, and for other purposes, before subcommittee no. 2 and full committee, Aug. 4-29, 1966. 1966. ii+10653-817 p.  
L.C. card 66-62399

## *Banking and Currency Committee, House* *Washington, D.C. 20515*

- 15963 Financial institutions supervisory and insurance act of 1966, hearings, 89th Congress, 2d session, on S. 3158 (superseded by H.R. 17899) to strengthen regulatory and supervisory authority of Federal agencies over insured savings and loan associations and for other purposes and S. 3695 (superseded by H.R. 18021) to amend Small business investment act of 1958 and for other purposes), Sept. 15-22, 1966. 1966. iv+266 p. † ● Item 1013  
L.C. card 66-62611 Y 4.B 22/1: F 49/9
- 15964 Retirement of \$30 billion of Government bonds held by Federal reserve banks, hearings, 89th Congress, 1st session, on H.R. 7601, July 6 and 7, 1965. 1966. iii+101 p. † ● Item 1013  
L.C. card 66-62775 Y 4.B 22/1: B 64/2

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*District of Columbia Committee, House*  
Washington, D.C. 20515

- 15965 Revise District of Columbia alcoholic beverage control act, hearings before subcommittee no. 4, 89th Congress, 1st and 2d sessions, on H.R. 3316, H.R. 3317, and H.R. 10744, to amend District of Columbia alcoholic beverage control act, Sept. 8, 1965, H.R. 2101, H.R. 5418, H.R. 6702, H.R. 7007, and H.R. 11286, to prohibit sale of alcoholic beverages to persons under 21, July 13 and 27, 1966. 1966. v+146 p. † ● Item 1014  
L.C. card 66-62250 Y 4.D 63/1 : A1 1/10/966

*Education and Labor Committee, House*  
Washington, D.C. 20515

- 15966 Model secondary school for deaf, hearings before Ad Hoc Subcommittee on the Handicapped, 89th Congress, 2d session, on H.R. 17190, Sept. 13 and 14, 1966. 1966. iii+75 p. il. † ● Item 1015  
L.C. card 66-62629 Y 4.Ed 8/1 : D 34/2

*Foreign Affairs Committee, House*  
Washington, D.C. 20515

- 15967 Amending act relating to U.S. participation in HemisFair 1968 Exposition, hearing before Subcommittee on International Organizations and Movements, 89th Congress, 2d session, on H.R. 15098, June 29, 1966. 1966. iii+56 p. † ● Item 1017  
L.C. card 66-61957 Y 4.F 76/1 : H 37/966
- 15968 Central America, some observations on its Common Market, binational centers, and housing programs, report of Roy H. McVicker of Subcommittee on Inter-American Affairs, pursuant to H. Res. 84; Aug. 4, 1966. 1966. vii+33 p. (Subcommittee print, 89th Congress, 2d session.) ‡  
L.C. card 66-62773 Y 4.F 76/1 : C 33
- 15969 United States-South African relations, hearings before Subcommittee on Africa, 89th Congress, 2d session. ● Item 1017  
L.C. card 66-61379 Y 4.F 76/1 : So 9/9/pt.4  
pt. 4. Aug. 8, 1966. 1966. iii+513-553 p. †

*Government Operations Committee, House*  
Washington, D.C. 20515

- 15970 Creating Department of Consumers, hearings before subcommittee, 89th Congress, 2d session, on H.R. 7179, Apr. 19-Aug. 16, 1966. 1966. iv+311 p. † ● Item 1016  
L.C. card 66-62631 Y 4.G 74/7 : C 76/3
- 15971 Drug safety, hearings before subcommittee, 89th Congress, 1st session. ● Item 1016  
L.C. card 64-65581 Y 4.G 74/7 : D 84/2/pt. 4  
pt. 4. July 20-Sept. 24, 1965. 1966. v+1437-1860 p. il. 1 pl. †
- 15972 Evaluation of donable property program, 1966, hearings before subcommittee, 89th Congress, 2d session, Aug. 23 and 24, 1966. 1966. v+167 p. il. † ● Item 1016  
L.C. card 66-62630 Y 4.G 74/7 : P 94/4/966
- 15973 Government use of satellite communications, hearings before subcommittee, 89th Congress, 2d session, Aug. 15-Sept. 14, 1966. 1966. xii+850 p. il. \* Paper, \$2.25. ● Item 1016  
L.C. card 66-62718 Y 4.G 74/7 : C 73/5
- 15974 Water pollution, Great Lakes, hearing before subcommittee, 89th Congress 2d session. ● Item 1016  
L.C. card 66-62484 Y 4.G 74/7 : W 29/2/pt. 1  
pt. 1. Lake Ontario and Lake Erie, July 22, 1966. 1966. vi+1-280 p. il. †

# GOVERNMENT PUBLICATIONS

## *Interior and Insular Affairs Committee, House* Washington, D.C. 20515

[Committee hearings] serial, 89th Congress. ● Item 1023

- 15975 27. Virgin Islands, elective Governor and legislative redistricting, hearings before Subcommittee on Territorial and Insular Affairs, 89th Congress, 2d session, on H.R. 11777 and H.R. 13277, Mar. 8-Apr. 27, 1966. 1966. iv+150 p. †  
L.C. card 66-62168 Y 4.In 8/14: 89-27

## *Interstate and Foreign Commerce Committee, House* Washington, D.C. 20515

[Committee hearings] serial, 89th Congress. † ● Item 1019

Y 4.In 8/4: 89-(nos.)

- 15976 39. Amend Hours of service act of 1907, hearings before Subcommittee on Transportation and Aeronautics, 89th Congress, 2d session, on H.R. 5196, and similar bills, June 24-Sept. 16, 1966. 1966. viii+531 p. il.  
L.C. card 66-62613
- 15977 40. Northeast power failure, Nov. 9-10, 1965, hearings before Special Subcommittee to Investigate Power Failures, 89th Congress, 1st and 2d sessions; Dec. 15, 1965-Feb. 25, 1966. 1966. pt. 1, iii+1-127 p.  
L.C. card 66-62633
- 15978 42. Investigation of HEW, hearings before Special Subcommittee on Investigation of Department of Health, Education, and Welfare, 89th Congress, 2d session, on organization of Department of Health, Education, and Welfare, Apr. 18-June 20, 1966. 1966. v+435+A121 p. 1 pl.  
L.C. card 66-62614
- 15979 43. Child safety act and personnel training hearings before Subcommittee on Public Health and Welfare, 89th Congress, 2d session, on H.R. 13884, H.R. 14634, H.R. 13886, H.R. 14557, H.R. 14632, June 24-Sept. 19, 1966. 1966. vi+336 p. il.  
L.C. card 66-62632
- 15980 44. Fair packaging and labeling, hearings, 89th Congress, 2d session, on H.R. 15440, S. 985, and similar bills, July 26-Sept. 8, 1966. 1966. pt. 1, v+1-623 p. il.  
L.C. card 66-62482
- 15981 45. Fair packaging and labeling, hearings, 89th Congress, 2d session, on H.R. 15440, S. 985, and similar bills, July 26-Sept. 8, 1966. 1966. pt. 2, ix+625-1169 p. il.  
L.C. card 66-62482
- 15982 48. Clean air act amendments of 1966, hearings before Subcommittee on Public Health and Welfare, 89th Congress, 2d session, on H.R. 13199, S. 3112, Sept. 27, 1966. 1966. iii+126 p. il.  
L.C. card 66-62635

## *Judiciary Committee, House* Washington, D.C. 20515

[Committee hearings] serial, 89th Congress. ● Item 1020

- 15983 18. D.C. area transit compact, hearings before subcommittee no. 3, 89th Congress, 2d session, on H.J. Res. 1163 [and other bills], July 20-Aug. 3, 1966. 1966. iv+1-75b, 76-292 p. \* Paper, \$1.00.  
L.C. card 66-62410 Y 4.J 89/1: 89/18

## *Merchant Marine and Fisheries Committee, House* Washington, D.C. 20515

[Committee hearing] serial, 89th Congress. ● Item 1021

- 15984 27. Independent Federal Maritime Administration, hearings before Subcommittee on Merchant Marine, 89th Congress, 2d sessions, on H.R. 11355 [and other bills], July 20-29, 1966. 1966. vi+226 p. il. 3 pl. †  
L.C. card 66-62164 Y 4.M 53: 89-27

## *Post Office and Civil Service Committee, House* Washington, D.C. 20515

- 15985 1970 census questions, hearings, 89th Congress, 2d session, Aug. 23-25, 1966. 1966. iv+131 p. il. 1 pl. † ● Item 1022  
L.C. card 66-62615 Y 4.P 84/10: C 33/10
- 15986 Smithsonian Institution executive salary act, hearing before Subcommittee on Compensation, 89th Congress, 2d session, on H.R. 15727, Aug. 17, 1966. 1966. iii+10 p. † ● Item 1022  
L.C. card 66-626400 Y 4.P 84/10: Sm 6

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*Public Works Committee, House*  
Washington, D.C. 20515

- 15987 Insurance and other programs for financial assistance to flood victims, report from Secretary of Department of Housing and Urban Development to the President, as required by Southeast hurricane disaster relief act of 1965 (Public law 89-339, 89th Congress, H.R. 11539, Nov. 8, 1965); Aug. 1966. 1966. x+134 p. il. (Committee print no. 43, 89th Congress, 2d session.) ‡  
L.C. card 66-62774 Y 4.P 96/10: F 65/14

[Paper], 89th Congress. ● Item 1024

- 15988 42. Heliport, hearings before Subcommittee on Public Buildings and Grounds, 89th Congress, 2d session, on H.R. 15024, July 27 and 29, 1966. 1966. iii+56 p. il. ‡  
L.C. card 66-62246 Y 4.P 96/11: 89-42

*Science and Astronautics Committee, House*  
Washington, D.C. 20515

[Paper], 89th Congress, 2d session. ● Item 1025-A

- 15989 6. Bill to provide standard reference data system, hearings before Subcommittee on Science, Research, and Development, 89th Congress, 2d session, on H.R. 15638, superseded by H.R. 16897, June 28-30, 1966. 1966. iii+181 p. ‡  
L.C. card 66-62173 Y 4. Sci 2: 89-2/6

*Small Business, Select Committee on, House*  
Washington, D.C. 20515

- 15990 Activities of regulatory and enforcement agencies relating to small business, hearings before Subcommittee no. 6, 89th Congress, 1st session, pursuant to H. Res. 13; Aug. 12 and 18, 1965. 1966. v+269 p. il. [Relates to Federal Trade Commission, Department of Agriculture, and Department of Justice, Antitrust Division.] ‡ ● Item 1031  
L.C. card 66-62486 Y 4.Sm 1: R 26/3/965

- 15991 Activities of regulatory and enforcement agencies relating to small business, hearings before Subcommittee no. 6, 89th Congress, 2d session, pursuant to H. Res. 13. ● Item 1031  
L.C. card 66-62723 Y 4.Sm 1: R 26/3/966/pt. 1  
pt. 1. Federal Communications Commission, Feb. 21-Mar. 10, 1966. 1966. vi+384+A 320 p. il. ‡

- 15992 Effect of corn marketing by Commodity Credit Corporation upon small business, hearings before Subcommittee on Special Investigations of Small Business Problems, 89th Congress, 2d session, pursuant to H. Res. 13, June 14-29, 1966. 1966. v+307 p. ‡ ● Item 1031  
L.C. card 66-62242 Y 4.Sm 1: C 81

- 15993 Small business problems in urban areas, hearings before Subcommittee no. 5, 89th Congress, 2d session, pursuant to H. Res. 13. ● Item 1031  
L.C. card 66-60171 Y 4.Sm 1: Ur 1/2/966/v. 6  
v. 6. June 21-July 14, 1966. 1966. vi+1-206+A 8 p. ‡

*Un-American Activities Committee, House*  
Washington, D.C. 20515

- 15994 Hearings on H.R. 12047, H.R. 14925, H.R. 16175, H.R. 17140, and H.R. 17194, bills to make punishable assistance to enemies of U.S. in time of undeclared war, 89th Congress, 2d session. ● Item 1026  
L.C. card 66-62610 Y 4.Un 1/2: En 2/pt. 1-2  
pt. 1. Investigative hearings, Aug. 16-19, 1966. 1966. vi+911-1234+xiv p. il.  
\* Paper, \$1.00  
pt. 2. Legislative hearings, Aug. 19-23, 1966. 1966. vi+1235-1397 p. il.  
\* Paper, 45c.

- 15995 Testimony of Wladyslaw Tykocinski, hearing, 89th Congress, 2d session, Apr. 6, 1966. 1966. v+851-909+iv p. [Corrected print.] \* Paper, 25c. ● Item 1026  
L.C. card 66-61953 Y 4.Un 1/2: T 97



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## *Ways and Means Committee, House* Washington, D.C. 20515

- 15996 Administration's proposals on airway user charges, hearings, 89th Congress, 2d session, Aug. 24 and 25, 1966. 1966. iv+130 p. † ● Item 1028  
L.C. card 66-62413 Y 4.W 36: A1 7/2
- 15997 Unrelated debt-financed income of tax-exempt organizations, hearing, 89th Congress, 2d session, on H.R. 15942 and H.R. 15943, Aug. 29, 1966. 1966. iv+60 p. † ● Item 1028  
L.C. card 66-62487 Y 4.W 36: T 19/37

## PRINTING JOINT COMMITTEE Washington, D.C. 20510

- 15998 Government paper specification standards, no. 5; Aug. 1, 1966. [1966.] cover title, [98] leaves, 4° [Issued in looseleaf form. Supersedes previous issues.] \* Paper, \$2.00 (including supplementary material); 50c. additional for foreign mailing. ● Item 1004-B Y 4.P 93/1: 7/5

## SENATE Washington, D.C. 20510

### *Senate executive documents*

Senate executive documents, 89th Congress, 2d session. ‡  
Y 1.89/2: (letters)

- 15999 T. Notes amending Convention on Great Lakes fisheries, message from President of United States transmitting note of Apr. 5, 1966 from Government of Canada and proposed reply from Government of United States which notes would constitute agreement amending Convention on Great Lakes fisheries signed Washington, Sept. 10, 1954; Sept. 21, 1966. 1966. [1]+4 p.
- 16000 U. International Convention for Conservation of Atlantic Tunas, message from President of United States transmitting International Convention for Conservation of Atlantic Tunas, signed Rio De Janeiro May 14, 1966; Oct. 18, 1966. 1966. vi+15 p.

### *Senate executive reports*

Senate executive reports, 89th Congress, 2d session. ‡ Y 1.89/2: rp.(no.)

- 16001 8. Treaty of amity and economic relations with Togo. Report from Committee on Foreign Relations to accompany Ex. E, 89th Cong., 2d sess. Sept. 23, 1966. 4 p.
- 16002 9. International Convention on Load Lines, 1966. Report from Committee on Foreign Relations to accompany Ex. S., 89th Cong. 2d sess. Oct. 12, 1966. 10 p.

### *Senate reports*

NOTE.—For titles of bills which these reports accompany, see Congressional record index.

Senate reports on private bills, 89th Congress. † Senate Document Room, Capitol. ● Item 1008-B

- 16003 1308. Doreen Delmege Willis. Report from Committee on Judiciary to accompany S. 2784. June 24, 1966. 7 p.
- 16004 1309. Dr. Rafael A. Penalver. Report from Committee on Judiciary to accompany S. 3083. June 24, 1966. 6 p.
- 16005 1311. Kil Ja Chung. Report from Committee on Judiciary to accompany S. 2076. June 24, 1966. 5 p.
- 16006 1312. Giuseppe Rubino. Report from Committee on Judiciary to accompany S. 2295. June 24, 1966. 5 p.
- 16007 1315. Dr. Alonso Portuondo. Report from Committee on Judiciary to accompany S. 3189. June 24, 1966. 7 p.
- 16008 1321. Harry C. Engle. Report from Committee on Judiciary to accompany H.R. 1240. June 24, 1966. 5 p.
- 16009 1322. Joseph K. Bellek. Report from Committee on Judiciary to accompany H.R. 5204. June 24, 1966. 3 p.
- 16010 1324. Eugene J. Bennett. Report from Committee on Judiciary to accompany H.R. 8793. June 24, 1966. 6 p.
- 16011 1325. Lt. Charles W. Pittman, jr. Report from Committee on Judiciary to accompany H.R. 9302. June 24, 1966. 5 p.

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- 16012 1326. Charles T. Davis, jr., Sallie M. Davis, and Nora D. White. Report from Committee on Judiciary to accompany H.R. 10994. June 24, 1966. 7 p.
- 16013 1432. Adjudicating claim to certain land in Marengo County, Ala. Report from Committee on Interior and Insular Affairs to accompany S. 1684. Aug. 4, 1966. 4 p.
- 16014 1441. Gustavo Eugenio Gomez. Report from Committee on Judiciary to accompany S. 3029. Aug. 10, 1966. 4 p.
- 16015 1442. Daniel Pernas Becero. Report from Committee on Judiciary to accompany S. 3039. Aug. 10, 1966. 7 p.
- 16016 1443. Dr. Guillermo N. Hernandez, jr. Report from Committee on Judiciary to accompany S. 3311. Aug. 10, 1966. 5 p.
- 16017 1444. Yung Mi Kim. Report from Committee on Judiciary to accompany S. 3318. Aug. 10, 1966. 7 p.
- 16018 1445. Maria Jordon Ferrando. Report from Committee on Judiciary to accompany S. 3329. Aug. 10, 1966. 5 p.
- 16019 1446. Panagiota Konstantinos Sikaras. Report from Committee on Judiciary to accompany S. 1370. Aug. 10, 1966. 7 p.
- 16020 1447. Elias Lambrinos. Report from Committee on Judiciary to accompany S. 1878. Aug. 10, 1966. 4 p.
- 16021 1448. Dr. Earl C. Chamberlayne. Report from Committee on Judiciary to accompany S. 2486. Aug. 10, 1966. 6 p.
- 16022 1449. Lim Ai Ran and Lim Soo Ran. Report from Committee on Judiciary to accompany S. 2809. Aug. 10, 1966. 6 p.
- 16023 1450. Dr. Oscar Lopez. Report from Committee on Judiciary to accompany S. 3042. Aug. 10, 1966. 5 p.
- 16024 1451. Antonio Gonzalez-Mora, and his wife, Natalia Sandoval Gonzalez-Mora. Report from Committee on Judiciary to accompany S. 3395. Aug. 10, 1966. 6 p.
- 16025 1452. Winston Lloyd McKay. Report from Committee on Judiciary to accompany H.R. 5213. Aug. 10, 1966. 6 p.
- 16026 1453. Mrs. Margarita L. Agullana. Report from Committee on Judiciary to accompany S. 2166. Aug. 10, 1966. 3 p.
- 16027 1454. Lourdes S. (Delotavo) Matzke and Yusef Ali Chouman. Report from Committee on Judiciary to accompany H.R. 3078. Aug. 10, 1966. 9 p.
- 16028 1492. Directing Secretary of Interior to convey certain lands in Boulder County, Colo., to W. F. Stover. Report from Committee on Interior and Insular Affairs to accompany S. 1231. Aug. 24, 1966. 4 p.
- 16029 1494. Mr. and Mrs. J. L. Pigford. Report from Committee on Judiciary to accompany S. 2955. Aug. 24, 1966. 4 p.
- 16030 1497. Emanuel G. Topakas. Report from Committee on Judiciary to accompany H.R. 3233. Aug. 24, 1966. 8 p.
- 16031 1501. John V. Boland Construction Co. Report from Committee on Judiciary to accompany H.R. 1483. Aug. 24, 1966. 15 p.
- 16032 1508. Norman J. Pitman. Report from Committee on Judiciary to accompany S. 690. Aug. 24, 1966. 3 p.
- 16033 1509. Merritt A. Seefeldt and August C. Seefeldt. Report from Committee on Judiciary to accompany S. 1572. Aug. 24, 1966. 4 p.
- 16034 1510. Rollo Oskey. Report from Committee on Judiciary to accompany S. 1987. Aug. 24, 1966. 5 p.
- 16035 1511. James A. Todd, jr. Report from Committee on Judiciary to accompany S. 2500. Aug. 24, 1966. 3 p.
- 16036 1512. Clarence C. and Lucy W. Russell. Report from Committee on Judiciary to accompany S. 2904. Aug. 24, 1966. 6 p.
- 16037 1513. David B. Glidden. Report from Committee on Judiciary to accompany H.R. 5552. Aug. 24, 1966. 3 p.
- 16038 1514. Norman Morris Rains. Report from Committee on Judiciary to accompany H.R. 7354. Aug. 24, 1966. 5 p.
- 16039 1515. Fred M. Osteen. Report from Committee on Judiciary to accompany H.R. 11940. Aug. 24, 1966. 4 p.
- 16040 1516. Anthony A. Calloway. Report from Committee on Judiciary to accompany H.R. 12315. Aug. 24, 1966. 3 p.
- 16041 1517. John R. Sylvia. Report from Committee on Judiciary to accompany H.R. 12884. Aug. 24, 1966. 3 p.
- 16042 1568. Ronald Whelan. Report from Committee on Judiciary to accompany H.R. 7141. Aug. 31, 1966. 4 p.
- 16043 1573. Mrs. Edna S. Bettendorf. Report from Committee on Judiciary to accompany H.R. 11038. Aug. 31, 1966. 4 p.
- 16044 1577. Maria Giuseppina Innalfo Feole. Report from Committee on Judiciary to accompany H.R. 11844. Aug. 31, 1966. 5 p.
- 16045 1622. Amending provisions of act of Apr. 8, 1935, relating to Board of Trustees of Trinity College of Washington, D.C. Report from Committee on District of Columbia to accompany H.R. 16940. Sept. 20, 1966. 3 p.
- 16046 1623. Amending charter of Southeastern University of District of Columbia. Report from Committee on District of Columbia to accompany H.R. 16608. Sept. 20, 1966. 4 p.
- 16047 1634. Estates of certain former members of Navy Band. Report from Committee on Judiciary to accompany H.R. 5912. Sept. 22, 1966. 42 p.
- 16048 1636. Dr. Hector Jesus Sanchez-Hernandez. Report from Committee on Judiciary to accompany S. 3016. Sept. 22, 1966. 7 p.
- 16049 1637. Setsuko Wilson (nee Hiranaka). Report from Committee on Judiciary to accompany S. 3300. Sept. 22, 1966. 11 p.
- 16050 1638. Dr. Dean H. Gosselin. Report from Committee on Judiciary to accompany S. 2040. Sept. 22, 1966. 4 p.
- 16051 1639. Wen Shi Yu. Report from Committee on Judiciary to accompany S. 3566. Sept. 22, 1966. 6 p.

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# GOVERNMENT PUBLICATIONS

## Senate reports on private bills, 89th Congress—Continued

- 16052 1640. Rosa Agostino. Report from Committee on Judiciary to accompany S. 2467. Sept. 22, 1966. 6 p.
- 16053 1641. Zofia Zych. Report from Committee on Judiciary to accompany S. 3209. Sept. 22, 1966. 8 p.
- 16054 1642. Theodora Bezates. Report from Committee on Judiciary to accompany S. 3358. Sept. 22, 1966. 6 p.
- 16055 1644. Arturo D. Lagasca, jr. Report from Committee on Judiciary to accompany S. 2462. Sept. 22, 1966. 4 p.
- 16056 1645. Dr. Anselmo S. Alvarez-Gomez. Report from Committee on Judiciary to accompany S. 2513. Sept. 22, 1966. 4 p.
- 16057 1646. Dr. Maria Yolanda Rafaela Miranda y Monteagudo. Report from Committee on Judiciary to accompany S. 2543. Sept. 22, 1966. 4 p.
- 16058 1647. Dr. Hilda W. Perez de Gonzalez. Report from Committee on Judiciary to accompany S. 2587. Sept. 22, 1966. 5 p.
- 16059 1648. Dr. Julio Valdes-Rodriguez. Report from Committee on Judiciary to accompany S. 2754. Sept. 22, 1966. 5 p.
- 16060 1649. Dr. Alberto Fernandez-Bravo y Amat. Report from Committee on Judiciary to accompany S. 2757. Sept. 22, 1966. 5 p.
- 16061 1650. Dr. Rafael Jacinto Nobo y Pividal (Rafael Nobo). Report from Committee on Judiciary to accompany S. 2762. Sept. 22, 1966. 6 p.
- 16062 1651. Dr. Marcial Alfredo Marti Prieto (Alfredo Marti). Report from Committee on Judiciary to accompany S. 2763. Sept. 22, 1966. 5 p.
- 16063 1652. White Deer Baptist Church, Allenwood, Pa. Report from Committee on Judiciary to accompany H.R. 11253. Sept. 22, 1966. 4 p.
- 16064 1653. Gilmour C. MacDonald. Report from Committee on Judiciary to accompany H.R. 7546. Sept. 22, 1966. 5 p.

## Senate reports on public bills, 89th Congress. † Senate Document Room Capitol. (No. 1301 is sold by Superintendent of Documents.) ● Item 1008-A

- 16065 1288. Transfer of postal funds. Report from Committee on Post Office and Civil Service to accompany H.R. 7423. June 21, 1966. 2 p. [Corrected print.]
- 16066 1289. Additional Assistant Postmaster General for research and development and construction engineering. Report from Committee on Post Office and Civil Service to accompany H.R. 13822. June 21, 1966. 5 p.
- 16067 1291. Library services and construction act. Report from Committee on Labor and Public Welfare to accompany H.R. 14050. June 21, 1966. 20 p.
- 16068 1292. Amending Great Salt Lake relicted lands act. Report from Committee on Interior and Insular Affairs to accompany S. 3484. June 1, 1966. 8 p.
- 16069 1293. Employees of county offices of ASCS. Report from Committee on Post Office and Civil Service to accompany S. 2206. June 21, 1966. 7 p.
- 16070 1294. Hazardous duty pay for classified employees. Report from Committee on Post Office and Civil Service to accompany H.R. 1535. June 21, 1966. 7 p.
- 16071 1295. Extension of renegotiation act of 1951. Report from Committee on Finance to accompany H.R. 13431. June 22, 1966. 7 p.
- 16072 1296. Federal metal and nonmetallic mine safety act. Report together with minority and individual views from Committee on Labor and Public Welfare to accompany H.R. 8989. June 22, 1966. 37 p.
- 16073 1297. Authorizing preparation and printing of revised edition of History of Senate seal. Report from Committee on Rules and Administration to accompany S. Res. 261. June 23, 1966. 2 p.
- 16074 1298. Authorizing printing of history of Senate Committee on Commerce as Senate document. Report from Committee on Rules and Administration to accompany S. Res. 272. June 23, 1966. 2 p.
- 16075 1299. Authorizing printing of pamphlet Our Capitol as Senate document. Report from Committee on Rules and Administration to accompany S. Con. Res. 98. June 23, 1966. 2 p.
- 16076 1300. Increasing dependency and indemnity compensation for parents and children of veterans whose deaths are service connected. Report from Committee on Finance to accompany H.R. 14347. June 23, 1966. 15 p.
- 16077 1301. Traffic safety act of 1966. Report together with individual views from Committee on Commerce to accompany S. 3005. June 23, 1966. 59 p. il. \* Paper, 20c.
- 16078 1302. Highway safety act of 1966. Report from Committee on Public Works to accompany S. 3052. June 23, 1966. 27 p. [Includes individual views of Senator John Sherman Cooper.] L.C. card 66-62016
- 16079 1303. Extension of Defense production act. Report from Committee on Banking and Currency to accompany H.R. 14025. June 23, 1966. 24 p.
- 16080 1304. Fish protein concentrate. Report from Committee on Commerce to accompany S. 2720. June 23, 1966. 11 p.
- 16081 1307. Sea grant colleges. Report from Committee on Labor and Public Welfare to accompany S. 2439. June 24, 1966. 19 p.
- 16082 1310. Providing for admissibility in evidence of slip laws and treaties and other international acts series. Report from Committee on Judiciary to accompany H.R. 12232. June 24, 1966. 6 p.
- 16083 1316. National UNICEF Day. Report from Committee on Judiciary to accompany S.J. Res. 144. June 24, 1966. 2 p.
- 16084 1317. American Revolution Bicentennial Commission. Report from Committee on Judiciary to accompany S.J. Res. 162. June 24, 1966. 5 p.

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- 16085 1319. Spring Garden Planting Week. Report from Committee on Judiciary to accompany S.J. Res. 168. June 24, 1966. 2 p.
- 16086 1327. Increased agency consideration of tort claims against government. Report from Committee on Judiciary to accompany H.R. 13650. June 24, 1966. 18 p.
- 16087 1328. Establishing statute of limitations for certain actions brought by Government. Report from Committee on Judiciary to accompany H.R. 13652. June 24, 1966. 15 p.  
L.C. card 66-62023
- 16088 1364. Amending District of Columbia practical nurses' licensing act. Report from Committee on District of Columbia to accompany H.R. 8337. July 7, 1966. 4 p.  
L.C. card 66-62021
- 16089 1431. Disposal of metallurgical grade manganese ore from national stockpile. Report from Committee on Armed Services to accompany H.R. 13772. Aug. 4, 1966. 4 p.
- 16090 1433. Independent offices appropriation bill, 1967. Report from Committee on Appropriations to accompany H.R. 14921. Aug. 4, 1966. 37 p.
- 16091 1434. Military medical benefits amendments of 1966. Report from Committee on Armed Services to accompany H.R. 14088. Aug. 5, 1966. 48 p.
- 16092 1435. Approving Upper Niobrara River compact. Report from Committee on Interior and Insular Affairs to accompany S. 553. Aug. 8, 1966. 4 p.
- 16093 1457. Federal elections act of 1966. Report of Committee on Rules and Administration to accompany S. 2541 together with minority and supplemental views; Aug. 12, 1966. 1966. iv+35 p.
- 16094 1458. Department of Defense appropriation bill, 1967. Report from Committee on Appropriations to accompany H.R. 15941. Aug. 12, 1966. 60 p.
- 16095 1462. Increasing authorization for airports at national parks. Report from Committee on Commerce to accompany S. 476. Aug. 17, 1966. 10 p.
- 16096 1471. Authorizing printing of pamphlet Our Flag as House Document. Report from Committee on Rules and Administration to accompany H. Con. Res. 600. Aug. 17, 1966. 1 p.
- 16097 1473. Authorizing printing of additional copies of pocket-size edition of Constitution of United States. Report from Committee on Rules and Administration to accompany H. Con. Res. 630. Aug. 17, 1966. 1 p.
- 16098 1474. Authorizing printing of additional copies of publication entitled Summary of veterans legislation reported, 89th Congress. Report from Committee on Rules and Administration to accompany H. Con. Res. 634. Aug. 17, 1966. 1 p.
- 16099 1476. Authorizing printing of report entitled United States policy toward Asia as House document. Report from Committee on Rules and Administration to accompany S. Con. Res. 791. Aug. 17, 1966. 1 p.
- 16100 1480. Antitrust and monopoly activities, 1965. Report of Committee on Judiciary made by its Subcommittee on Antitrust and Monopoly pursuant to S. Res. 40, 89th Cong. 1st sess., together with individual views; Aug. 17, 1966. 1966. iii+28 p.  
L.C. card 65-61734
- 16101 1482. Financial institutions supervisory act of 1966. Report from Committee on Banking and Currency to accompany S. 3158, together with minority views; Aug. 18, 1966. 1966. iii+63 p.
- 16102 1485. Lower Rio Grande salinity problem. Report from Committee on Foreign Relations to accompany S. 2747. Aug. 19, 1966. 13 p.
- 16103 1486. Peace Corps act amendments. Report from Committee on Foreign Relations to accompany S. 3418. Aug. 22, 1966. 55 p.
- 16104 1487. Fair labor standards amendments of 1966. Report together with supplemental, individual and additional views from Committee on Labor and Public Welfare to accompany H.R. 13712. Aug. 23, 1966. 80 p.
- 16105 1489. Strengthen U.S.-international air transportation. Report from Committee on Commerce to accompany S. 3198. Aug. 24, 1966. 13 p.
- 16106 1490. Establishing Special Committee on Organization of Congress. Report from Committee on Rules and Administration to accompany S. Res. 293. Aug. 24, 1966. 7 p.
- 16107 1491. Washington Metropolitan Area Transit Authority compact. Report from Committee on Judiciary to accompany S. 3488. Aug. 24, 1966. 29 p.  
L.C. card 66-62476
- 16108 1498. Permitting compelling of testimony and granting of immunity with respect to certain crimes. Report from Committee on Judiciary to accompany S. 2190. Aug. 24, 1966. 21 p.
- 16109 1519. Merchant marine movement of military cargo. Report together with minority views from Committee on Commerce to accompany S. 3297. Aug. 24, 1966. 19 p.
- 16110 1520. To make technical amendments to titles 19 and 20 of District of Columbia Code. Report from Committee to accompany H.R. 13703. Aug. 24, 1966. 3 p.
- 16111 1522. Authorizing transfer of certain lands to Mount Desert Island Regional School District, Maine. Report from Committee on Interior and Insular Affairs to accompany S. 3261. Aug. 25, 1966. 4 p.
- 16112 1524. Amending act of June 30, 1954, as amended, providing for continuance of civil government for Trust Territory of Pacific Islands. Report from Committee on Interior and Insular Affairs to accompany S. 3504. Aug. 25, 1966. 25 p.
- 16113 1526. Amending act authorizing Point Reyes National Seashore in California. Report from Committee on Interior and Insular Affairs to accompany S. 1607. Aug. 25, 1966. 10 p.

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Commerce, Springfield, Va. 22151

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# GOVERNMENT PUBLICATIONS

## Senate reports on public bills, 89th Congress—Continued

- 16114 1528. Amending sec. 11-1701 of District of Columbia Code to increase retirement salaries of certain retired judges. Report from Committee on District of Columbia to accompany H.R. 1066. Aug. 25, 1966. 6 p.
- 16115 1529. Amending life Insurance act of District of Columbia, approved June 19, 1934, as amended. Report from Committee on District of Columbia to accompany H.R. 9824. Aug. 25, 1966. 4 p.
- 16116 1531. Preservation and use of Old Georgetown Market. Report from Committee on District of Columbia to accompany H.R. 14205. Aug. 25, 1966. 4 p.
- 16117 1532. Establishing for District of Columbia motor vehicle unsatisfied judgment fund act. Report together with individual views from Committee on District of Columbia to accompany H.R. 9918. Aug. 26, 1966. 35 p. L.C. card 66-62477
- 16118 1533. Strengthening Motor vehicle safety responsibility act of District of Columbia. Report from Committee on District of Columbia to accompany S. 1713. Aug. 26, 1966. 12 p.
- 16119 1537. American gold mining revitalization. Report from Committee on Interior and Insular Affairs to accompany S. 1377. Aug. 30, 1966. 13 p.
- 16120 1541. Providing adjustments in order to make uniform estate acquired for Vega Dam and Reservoir, Collbran project, Colo., by authorizing the Secretary of Interior to reconvey mineral interests in certain lands. Report from Committee on Interior and Insular Affairs to accompany H.R. 399. Aug. 30, 1966. 12 p.
- 16121 1551. Child protection act of 1966. Report from Committee on Commerce to accompany S. 3298. Aug. 30, 1966. 34 p. L.C. card 66-62647
- 16122 1553. Constitutional rights. Report of Committee on Judiciary made by its Subcommittee on Constitutional Rights pursuant to S. Res. 43, 89th Cong., 1st sess.; Aug. 30, 1966. 1966. ii+23 p. L.C. card 66-62473
- 16123 1556. Overhead electric transmission line study. Report from Committee on Commerce to accompany S.J. Res. 189. Aug. 31, 1966. 26 p. L.C. card 66-62646
- 16124 1587. Terminating existence of Indian Claims Commission, and for other purposes. Report from Committee on Interior and Insular Affairs to accompany S. 3068. Sept. 6, 1966. 7 p.
- 16125 1588. Amending law establishing Indian revolving loan fund. Report from Committee on Interior and Insular Affairs to accompany S. 2196. Sept. 6, 1966. 18 p.
- 16126 1590. Kinzua Dam-Allegheny Reservoir, Pa. and N.Y. Report from Committee on Public Works to accompany S. 3625. Sept. 7, 1966. 3 p.
- 16127 1591. Post Office Department 30-year lease authority. Report from Committee on Public Works to accompany H.R. 14548. Sept. 7, 1966. 33 p.
- 16128 1597. Increasing number of colonels and lieutenant colonels in Air Force. Report from Committee on Armed Services to accompany H.R. 15005. Sept. 9, 1966. 13 p.
- 16129 1599. Effect of disclaimers on allowance of marital deduction. Report from Committee on Finance to accompany H.R. 483. Sept. 13, 1966. 8 p.
- 16130 1600. Tariff treatment of articles assembled abroad of products of United States. Report from Committee on Finance to accompany H.R. 11216. Sept. 13, 1966. 12 p.
- 16131 1601. Regulation of maximum rates of interest paid on savings. Report from Committee on Banking and Currency to accompany H.R. 14026. Sept. 14, 1966. 15 p. L.C. card 66-62670
- 16132 1602. Authorizing Public Printer to print for and deliver to General Services Administration additional copy of certain publications. Report from Committee on Rules and Administration to accompany S. 3809. Sept. 14, 1966. 6 p.
- 16133 1603. Philippine hospitalization and medical care. Report from Committee on Labor and Public Welfare to accompany H.R. 16330. Sept. 14, 1966. 9 p.
- 16134 1604. War orphans' training for children of certain Philippine veterans. Report from Committee on Labor and Public Welfare to accompany H.R. 16367. Sept. 14, 1966. 6 p.
- 16135 1605. Amendments to Price-Anderson indemnity provisions of Atomic energy act of 1954, as amended, pertaining to waiver of defenses. Report from Joint Committee on Atomic Energy to accompany S. 3830. Sept. 16, 1966. 33 p.
- 16136 1606. Baltic States. Report from Committee on Foreign Relations to accompany H. Con. Res. 416. Sept. 19, 1966. 1 p.
- 16137 1607. Foreign Service buildings act amendments. Report from Committee on Foreign Relations to accompany H.R. 14019. Sept. 19, 1966. 12 p.
- 16138 1608. Common varieties act amendments. Report from Committee on Interior and Insular Affairs to accompany S. 3485. Sept. 19, 1966. 16 p.
- 16139 1609. Amending District of Columbia police and firemen's salary act of 1958, District of Columbia teachers' salary act of 1955, and for other purposes. Report from Committee on District of Columbia to accompany H.R. 15857. Sept. 19, 1966. 43 p.

\*For Sale by Superintendent of Documents

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# NOVEMBER 1966

- 16140 1610. Research into spinal cord injuries. Report from Committee on Labor and Public Welfare to accompany H.R. 203. Sept. 20, 1966. 4 p.
- 16141 1611. Designation of Veterans' Administration hospital in Clarksburg, W. Va., as Louis A. Johnson Memorial Veterans' Hospital. Report from Committee on Labor and Public Welfare to accompany S. 2709. Sept. 20, 1966. 2 p.
- 16142 1612. Extending provisions for treble-damage actions to direct loan and insured loan cases. Report from Committee on Labor and Public Welfare to accompany H.R. 7850. Sept. 20, 1966. 8 p.
- 16143 1613. Brokers' fees for VA property management. Report from Committee on Labor and Public Welfare to accompany H.R. 11927. Sept. 20, 1966. 4 p.
- 16144 1615. Transfer of land to Biloxi, Miss. Report from Committee on Labor and Public Welfare to accompany H.R. 13012. Sept. 20, 1966. 3 p.
- 16145 1618. Authorizing participation in construction of large-scale desalting plant in California. Report from Committee on Interior and Insular Affairs to accompany S. 3823. Sept. 20, 1966. 8 p.
- 16146 1619. Amending act of Sept. 2, 1964. Report from Committee on Interior and Insular Affairs to accompany H.R. 9976. Sept. 20, 1966. 7 p.
- 16147 1620. Authorizing construction of new 14th Street bridge over Potomac River as replacement for Old Highway Bridge. Report from Committee on District of Columbia to accompany H.R. 12119. Sept. 20, 1966. 4 p.
- 16148 1627. Long-range land use plan for Capitol grounds. Report from Committee on Public Works to accompany S.J. Res. 76. Sept. 21, 1966. 3 p.
- 16149 1628. W. P. Franklin Lock and Control Structure, Fla. Report from Committee on Public Works to accompany S. 212. Sept. 21, 1966. 4 p.
- 16150 1629. Legislative reorganization act of 1966. Report from Special Committee on Organization of Congress to accompany S. 3848. Sept. 21, 1966. 56 p.
- 16151 1631. Departments of Labor, and Health, Education, and Welfare, and related agencies appropriation bill, 1967. Report from Committee on Appropriations to accompany H.R. 14745. Sept. 22, 1966. 92 p.
- 16152 1632. Modernization of Federal seed act. Report from Committee on Agriculture and Forestry to accompany H.R. 15662. Sept. 22, 1966. 21 p.
- 16153 1633. Prepayments, Farmers Home Administration insured loans. Report from Committee on Agriculture and Forestry to accompany H.R. 15510. Sept. 22, 1966. 4 p.
- 16154 1635. Three German paintings. Report from Committee on Judiciary to accompany S. 3353. Sept. 22, 1966. 13 p.
- 16155 1643. Congressional reference cases, U.S. Court of Claims. Report from Committee on Judiciary to accompany H.R. 1665. Sept. 22, 1966. 10 p.
- 16156 1654. Authorizing merger of 2 or more professional football leagues, and to protect football contests between secondary schools from professional football telecasts. Report from Committee on Judiciary to accompany S. 3817. Sept. 23, 1966. 4 p.
- 16157 1656. Increasing annuities payable from Foreign Service retirement and disability fund. Report from Committee on Foreign Relations to accompany S. 3247. Sept. 26, 1966. 19 p.
- 16158 1659. Establishing Department of Transportation, and for other purposes. Report together with additional views from Committee on Government Operations to accompany S. 3010. Sept. 27, 1966. 43 p.
- 16159 1663. Foreign assistance and related agencies appropriation bill, 1967. Report from Committee on Appropriations to accompany H.R. 17788. Sept. 28, 1966. 23 p.
- 16160 1664. Juvenile delinquency. Report of Committee on Judiciary made by its Subcommittee To Investigate Juvenile Delinquency pursuant to S. Res. 52, 89th Congress, 1st session; Sept. 28, 1966. 1966. iii+13 p. L.C. card 58-60635
- 16161 1665. Comprehensive health planning and public health services amendments of 1966. Report from Committee on Labor and Public Welfare to accompany S. 3008. Sept. 29, 1966. 40 p.
- 16162 1666. Economic opportunity amendments of 1966. Report together with supplemental, individual, and additional views from Committee on Labor and Public Welfare to accompany S. 3164. Sept. 29, 1966. 95 p.
- 16163 1667. Narcotic addict treatment and rehabilitation. Report together with individual views from Committee on Judiciary to accompany S. 2191. Sept. 29, 1966. 54 p. L.C. card 66-62729
- 16164 1670. Nomination and election of candidates for appointment to Military, Naval and Air Force Academies. Report from Committee on Armed Services to accompany H.R. 9916. Sept. 30, 1966. 18 p.
- 16165 1672. Public works appropriation bill, 1967. Report from Committee on Appropriations to accompany H.R. 17787. Oct. 3, 1966. 53 p.
- 16166 1673. U.S. participation in HemisFair. Report from Committee on Foreign Relations to accompany H.R. 15098. Oct. 3, 1966. 19 p. L.C. card 66-62674
- 16167 1677. Higher education amendments of 1966. Report together with supplemental views from Committee on Labor and Public Welfare to accompany H.R. 14644. Oct. 5, 1966. 68 p.

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# GOVERNMENT PUBLICATIONS

## *Agriculture and Forestry Committee, Senate* Washington, D.C. 20510

- 16168 Discrimination against members of farmer cooperative, hearings before subcommittee, 89th Congress, 2d session. † ● Item 1032  
L.C. card 66-61959 Y 4.Ag/2: C 78/10/pt. 2  
pt. 2. Substitute amendment to S. 109, Sept. 28, 1966. 1966. iv+1755-226 p.
- 16169 Eradication of screw-worms in Mexico, hearing before subcommittee, 89th Congress, 2d session, on S. 3325 and H.R. 14888, June 23, 1966. 1966. iii+24 p. † ● Item 1032  
L.C. card 66-62159 Y 4.Ag 8/2: Ser 2

## *Appropriations Committee, Senate* Washington, D.C. 20510

- 16170 District of Columbia appropriations for fiscal year 1967, hearings before subcommittee, 89th Congress, 2d session, on H.R. 17636. 1966. ii+1127+xv p. il. † ● Item 1033  
L.C. card 60-60679 Y 4.Ap 6/2: D 63/967
- 16171 Legislative branch appropriations for fiscal year 1967, hearings before subcommittee, 89th Congress, 2d session, on H.R. 15456. 1966. ii+234+xi p. il. † ● Item 1033  
L.C. card 60-61661 Y 4.Ap 6/2: L 52/967
- 16172 Military construction appropriations for 1967, hearings before subcommittee, 89th Congress, 2d session, on H.R. 17637; [Sept. 13-24, 1966]. 1966. ii+514+xxiii p. † ● Item 1033  
L.C. card 60-61661 Y 3.Ap 6/2: M 59/3/967
- 16173 Public works appropriations for fiscal year 1967, hearings before subcommittee, 89th Congress, on H.R. 17787. † ● Item 1033  
L.C. card 66-62706 Y 4.Ap 6/2: P 96/3/967/pt. 1, 2, 3  
pt. 1. Civil functions, Department of Army. 1966. ii+1-1692+xlvi p.  
pt. 2. Civil functions, Department of Army. 1966. ii+1693-3353+xlvi p.  
pt. 3. Bureau of Reclamation and Department of Interior power marketing agencies. 1966. ii+1033+xxii p. il. 2 tab.

## *Armed Services Committee, Senate* Washington, D.C. 20510

- 16174 Development of Ryukyu Islands, hearing, 89th Congress, 2d session, on H.R. 12617, June 9, 1966. 1966. iii+19 p. il. † ● Item 1034  
L.C. card 66-62414 Y 4.Ar 5/3: R 99
- 16175 Miscellaneous bills, hearing, 89th Congress, 2d session, on H.R. 420, H.R. 11488, H.R. 11979, H.R. 15005, Sept. 8, 1966. 1966. iii+31 p. † ● Item 1034  
L.C. card 66-62415 Y 4.Ar 5/3: B 49/12/966-2
- 16176 — on H.R. 3013, H.R. 7327, H.R. 11980, H.R. 12031, H.R. 13374, H.R. 14875, July 28, 1966. 1966. iii+28 p. † ● Item 1034  
L.C. card 66-62778 Y 4.Ar 5/3: B 49/12/966

## *Banking and Currency Committee, Senate* Washington, D.C. 20510

- 16177 Insurance and other programs for financial assistance to flood victims, report from Secretary of Department of Housing and Urban Development to the President, as required by Southeast hurricane disaster relief act of 1965 (Public law 89-339, 89th Congress, H.R. 11539, Nov. 8, 1965): Sept. 1966. 1966. xv+140 p. il. (Committee print, 89th Congress, 2d session.) \* Paper, 40c.  
L.C. card 66-62820 Y 4.B 22/3: F 65/3
- 16178 Interstate land sales full disclosure act, hearings before subcommittee, 89th Congress, 2d session, on S. 2672, June 21-Aug. 18, 1966. 1966. x+515 p. il. † ● Item 1035  
L.C. card 66-62644 Y 4.B 22/3: L 22/4
- 16179 Small business investment company program, hearings before subcommittee, 89th Congress, 2d session, to review small business investment company program June 15-29, 1966. 1966. v+259 p. † ● Item 1035  
L.C. card 66-62257 Y 4.B 22/3: Sm 1/16

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*Commerce Committee, Senate*  
Washington, D.C. 20510

[Committee hearings] serial, 89th Congress. ● Item 1041

- 16180 64. Fish protein concentrate, hearings, 89th Congress, 2d session, on S. 2720. Apr. 25-May 17, 1966. 1966. v+240 p. il. [These hearings were held in Aberdeen, Wash., and Washington, D.C.] †  
L.C. card 66-61961 Y 4.C 73/2: 89-64

*Finance Committee, Senate*  
Washington, D.C. 20510

- 16181 Amendments recommended by Labor Department to H.R. 15119, unemployment insurance amendments of 1966. 1966. iii+42 p. (Committee print, 89th Congress, 2d session.) [Amendments printed for informational purposes only.] †  
L.C. card 66-62327 Y 4.F 49: Un 2/8
- 16182 Financing political campaigns, hearings, 89th Congress, 2d session, on S. 3496, amendment 732, S. 2006, S. 2965, and S. 3014, Aug. 18 and 19, 1966. 1966. iii+83 p. † ● Item 1038  
L.C. card 66-62419 Y 4.F 49: P 75
- 16183 Foreign trade statistics, hearings, 89th Congress, 2d session, on S.J. Res. 115 and S. 3522, Aug. 31 and Sept. 1, 1966. 1966. v+177 p. il. † ● Item 1038  
L.C. card 66-62708 Y 4.F 49: F 76/6
- 16184 Time for taxing tires and tubes, hearing, 89th Congress, 2d session, on H.R. 318, June 23, 1966. 1966. iii+45 p. il. † ● Item 1038  
L.C. card 66-62161 Y 4.F 49: T 51
- 16185 Vietnam era veterans' readjustment assistance act, hearing, 89th Congress, 2d session, on S. 3580, Sept. 7, 1966. 1966. iii+35 p. † ● Item 1038  
L.C. card 66-62642 Y 4.F 49: V 67

*Foreign Relations Committee, Senate*  
Washington, D.C. 20510

- 16186 United States policy toward Europe (and related matters), hearings, 89th Congress, 2d session, June 20-July 22, 1966. 1966. vi+524 p. \* Paper, \$1.50. ● Item 1039  
L.C. card 66-62258 Y 4.F 76/2: Eu 7/15

*Government Operations Committee, Senate*  
Washington, D.C. 20510

- 16187 Investigation into small business investment companies, hearings before Permanent Subcommittee on Investigations, 89th Congress, 2d session, pursuant to S. Res. 183, 89th Congress, Aug. 2-4, 1966. 1966. xiv+323 p. † ● Item 1037  
L.C. card 66-62709 Y 4.G 74/6: Sm 1
- 16188 Reorganization plan 3 of 1966 (health functions, Department of Health, Education, and Welfare), hearing before Subcommittee on Executive Reorganization, 89th Congress, 2d session, on Reorganization plan no. 3 of 1966, prepared in accordance with provisions of Reorganization act of 1949, as amended, and providing for reorganization of health functions of Department of Health, Education, and Welfare, June 17, 1966. 1966. iii+63 p. 2 pl. † ● Item 1037  
L.C. card 66-61963 Y 4.G 74/6: R 29/966/no. 3

*Interior and Insular Affairs Committee, Senate*  
Washington, D.C. 20510

- 16189 Redwood National Park, hearings before Subcommittee on Parks and Recreation, 89th Congress, 2d session, on S. 2962. ● Item 1040  
L.C. card 66-62157 Y 4.In 8/13: R 24/8/pt. 2  
pt. 2. Aug. 17, 1966, with appendixes to pts. 1 and 2. 1966. ix+429-722 p. il. †

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### *Judiciary Committee, Senate*

*Washington, D.C. 20510*

- 16190 Gaps in internal security laws, hearings before Subcommittee to Investigate Administration of Internal Security Act and Other Internal Security Laws, 89th Congress, 2d session. ● Item 1042  
L.C. card 66-62152 Y 4.J 89/2: In 8/10/pt. 1-4  
pt. 1. June 23, 1966. 1966. ii+1-17+ii p. †  
pt. 2. June 24 and 27, 1966. 1966. iii+19-45+iii p. †  
pt. 3. June 29, 1966. 1966. iii+47-133+vi p. †  
pt. 4. June 30, 1966. 1966. iii+135-174+A29+iii p. †
- 16191 School prayer, hearings before Subcommittee on Constitutional Amendments, 89th Congress, 2d session, on Senate joint resolution 148, Aug. 1-8, 1966. 1966. vi+884 p. il. map attached to inside of back cover.  
\* Paper, \$3.00. ● Item 1042  
L.C. card 66-62493 Y 4.J 89/2: P 89/966

### *Labor and Public Welfare Committee, Senate*

*Washington, D.C. 20510*

- 16192 Employer encouragement for on-the-job training, hearings before Subcommittee on Employment and Manpower, 89th Congress, 1st and 2d sessions, Sept. 14, 1965-Mar. 1, 1966. 1966. vi+372 p. il. † ● Item 1043  
L.C. card 66-62490 Y 4.L 11/2: T 68
- 16193 International education act, hearings before Subcommittee on Education, 89th Congress, 2d session, on S. 2874, H.R. 14643, Aug. 17-Sept. 19, 1966. 1966. viii+608 p. il. † ● Item 1043  
L.C. card 66-62779 Y 4.L 11/2: In 8/2
- 16194 Model high school for deaf, hearing, 89th Congress, 2d session, on S. 3758, Oct. 8, 1966. 1966. iii+55 p. † ● Item 1043  
L.C. card 66-62777 Y 4.L 11/2: D 34/2
- 16195 Philippine veterans benefits, hearing before Subcommittee on Veterans' Affairs, 89th Congress, 2d session, on H.R. 16330, H.R. 16367, Sept. 8, 1966. 1966. iii+52 p. † ● Item 1043  
L.C. card 66-62422 Y 4.L 11/2: P 53
- 16196 Railroad retirement benefits, hearing before Subcommittee on Railroad Retirement, 89th Congress, 2d session, on S. 3777, Sept. 27, 1966. 1966. iii+42 p. † ● Item 1043  
L.C. card 66-62713 Y 4.L 11/2: R 13/11

### *Post Office and Civil Service Committee, Senate*

*Washington, D.C. 20510*

- 16197 Post Office nomination, hearing, 89th Congress, 2d session, on nomination of Leo S. Packer to be Assistant Postmaster General, Sept. 13, 1966. 1966. iii+12 p. † ● Item 1044  
L.C. card 66-62491 Y 4.P 84/11: N 72/966-2

### *Standards and Conduct, Select Committee on, Senate*

*Washington, D.C. 20510*

NOTE.—The Select Committee on Standards and Conduct was established as a permanent select committee of the Senate by S. Res. 338 of the 88th Congress, 2d session, which was considered, amended, and agreed to July 24, 1964.

- 16198 Investigation of Senator Thomas J. Dodd, hearings, 89th Congress, 2d session pursuant to S. Res. 338, 88th Congress. ● Item 1009  
L.C. card 66-62620 Y 4.St 2/2: D 66/pt. 1  
pt. 1. Relationship with Julius Klein, June 22-July 19, 1966. 1966. vi+1-589 p. il. \* Paper, \$1.75.

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**CONSUMER AND MARKETING SERVICE, Agriculture Dept.  
Washington, D.C. 20250**

- 16199 Amendment to United States standards for grades of canned ripe olives, effective Sept. 2, 1966. [1966.] 1 p. 4° [Extracted from Federal Register of Sept. 2, 1966 (31 F.R. 11591).] †  
A 88.6/2: 01 4/amdt.
- 16200 Dairy plants surveyed and approved for USDA grading service. July 1966. 36 p. 4° (Dairy Division.) † ● Item 21-Q  
L.C. card 64-62496 A 88.14/12: 966
- 16201 List of chemical compounds authorized for use under USDA poultry, meat, rabbit and egg products inspection programs. Revised Sept. 1966. [1966.] 75 p. 4° (Technical Services Division.) [List complete as of July 1, 1966.] \* Paper, 45c. ● Item 107-B A 88.6: C 42
- 16202 Plants under USDA continuous inspection, processed fruits and vegetables and related products. July 1966. [2]+38 p. 4° (Fruit and Vegetable Division, Processed Products Standardization and Inspection Branch.) [Issued with perforations.] †  
A 88.43/2: 966
- Service and regulatory announcements C&MS (series). ● Item 111
- 16203 188. Regulations governing meat inspection of Department of Agriculture, amendments, revised pages. [Aug. 11, 1966.] [78] p. (Meat Inspection Program.) [Issued with perforations.] \* Paper, \$2.75 (including basic manual and revisions for an indefinite period); \$1.00 additional for foreign mailing. A 88.6/3: 188/rev. pages

**COURT OF CUSTOMS AND PATENT APPEALS  
Washington, D.C. 20439**

- 16204 Court of Customs and Patent Appeals: v. 52, Patent cases adjudged in United States Court of Customs and Patent Appeals, Oct. 1964-Oct. 1965; Robert R. Reque, reporter of decisions, George S. Taylor, assistant to reporter. 1966. xxiv+701+1931 p. il. \* Cloth, \$4.50. ● Item 733  
L.C. card 11-35722 Ju 7.5: 52/2

**CUSTOMS BUREAU, Treasury Dept.  
Washington, D.C. 20226**

- 16205 United States civilian and military personnel, imported household and personal effects. [1966.] 12 p. il. narrow 8° † ● Item 950  
T 17.2: H 81/966

**DEFENSE DEPARTMENT  
Washington, D.C. 20301**

- 16206 Country law study for Panama [with bibliography; prepared by personnel of Judge Advocate General's Corps, Army]. [1966.] cover title, i+51 p. 4° † ● Item 304-E  
L.C. card 66-62089 D 1.40: P 19
- Defense Supply Agency handbook DSAH (series). ● Item 314-A  
D 7.6/7: (nos.)
- 16207 4155.1. Special commodity quality assurance information handbook for clothing and textiles. Sept. 1966. cover title, iv+136 p. il. 4° [Issued in looseleaf form. Supersedes DSAH 4155.1, Apr. 23, 1965, and Change 1, Aug. 18, 1965.] †
- 16208 4215.21. Industrial plant equipment handbook: FSC 6675, 6695, combination and miscellaneous instruments including dynamometers. June 1966. cover title, iii+52 p. 4° (SB 708-6695-1; NAVSANDA pub 5519; [Air Force Dept.] AFM 78-30; [Marine Corps] MCO P4870.25.) [Issued in looseleaf form.] \* Paper, 40c.
- 16209 4215.26. Same: FSC 6110, Electrical control equipment. Sept. 1966. cover title, iii+38 p. 4° (SB 708-6110-1; NAVSUP PUB 5525; [Air Force Dept.] AFM 78-40; [Marine Corps] MCO P4870.30.) [Issued in looseleaf form.] \* Paper, 35c.

# GOVERNMENT PUBLICATIONS

Defense Supply Agency manual DSAM (series). ● Item 314-A

- 16210 1445.8. DSA civilian career program for quality assurance and quality control. Nov. 1964. cover title, ii+24 p. 4° [Issued in looseleaf form. Supersedes DSAM 1445.8, June 1963.] † D 7.6/8 : 1445.8/2

DSA-DLSC manual. ([Defense Supply Agency], Defense Logistics Services Center, Battle Creek, Mich.) ● Item 314-A

- 16211 4130.1. Provisioning screening procedures. June 1, 1966. cover title, [62] p. il. 4° [Issued with perforations. Supersedes DSA-DLSC manual 4130.1, Oct. 1, 1964.] † D 7.6/10-2 : 4130.1

- 16212 How to do business with Defense Supply Agency [guide to businessman in his constant search for new markets]. [1966.] cover title, 20 p. il. ([Defense Supply Agency.]) † ● Item 314-A D 7.6/4 : B 96/966

Quality and reliability assurance handbook H (series). ● Item 314-A

- 16213 55. Nondestructive testing series: Radiography. Apr. 1, 1966. cover title, [3] + vi+202 p. il. 4° (Office of Assistant Secretary of Defense (Installations and Logistics).) [Issued with perforations.] \* Paper, \$1.25. D 7.6/2 : 55

Standardization directory SD-(series).

- 16214 1. Standardization directory, planning schedule and points of contact (FSC class and area assignments). July 1, 1966. cover title, [1]+iv+23+49 p. (Defense Standardization Program.) [Corrected copy. Quarterly. Issued with perforations.] \* Paper, 50c. ● Item 314-C D 7.13 : 1/17

- 16215 USAFI supply announcements. Sept. 1966. [1]+19+[14] p. 4° (United States Armed Forces Institute.) [Issued with perforations.] † D 1.10/3 : 966-3

## ECONOMIC DEVELOPMENT ADMINISTRATION, Commerce Dept. Washington, D.C. 20230

- 16216 Characteristics of 63 modern industrial plants; by Theodore K. Pasma. 1966. 135 p. il. 4° [Prepared in cooperation with National Industrial Zoning Committee.] \* Paper, \$1.75. ● Item 130-D C 46.2 : In 2

- 16217 Facts about EDA, public works and economic development act of 1965, Public law 89-136, signed Aug. 26, 1965. [1966.] [4] p. † C 46.2 : F 11

Qualified areas, July 1, 1966 [map]. Scale 300 m=3.8 in. 1966. 26 x 40 in. † C 46.17 : Ar 3/966-2

- 16218 Insets:

Alaska  
American Samoa  
Guam

Hawaii  
Puerto Rico  
Virgin Islands

## ECONOMIC OPPORTUNITY OFFICE, Executive Office of the President, Washington, D.C. 20506

- 16219 Legal services program in rural community action, legal services program provides low-income persons with counsel, representation, understanding of law. [1966.] [4] p. narrow 8° ([C-46]; Community Action Program.) † Pr Ex 10.2 : L 52

- 16220 Neighborhood Youth Corps in rural community action, NYC can help young people remain in school, return to school, gain work experience [1966.] [4] p. narrow 8° (Community Action Program; [C-49].) † Pr Ex 10.2 : N 31/2

- 16221 Rural youth opportunity center in rural community action, rural youth opportunity center links employment services to job needs of rural youth. [1966.] [4] p. narrow 8° ([C-45]; Community Action Program.) † Pr Ex 10.2 : Y 8

VISTA volunteer. (Volunteers in Service to America.) [Monthly.] † ● Item 857-H-6 Pr Ex 10.13 : (v.nos.& nos.)

- 16222 v. 2, no. 3— Oct. 1966—

- 16223 [We read] selected lists of children's books and recordings; prepared by Children's Services Division of American Library Association. 1966. [4]+48 p. 4° ([C17.]) [Text on p. 2 and 3 of cover.] \* Paper, 35c. ● Item 857-H-4 Pr Ex 10.15 : R 22

\*For Sale by Superintendent of Documents  
†Distribution Made by Issuing Office  
‡Official Use. Not Available

**ECONOMIC RESEARCH SERVICE, Agriculture Dept.**  
Washington, D.C. 20250

Agricultural economic report. ● Item 42-C

- 16224 98. Hired farm working force of 1965, statistical report; [by Gladys K. Bowles].  
[Sept. 1966.] ii+30 p. il. 4° \* Paper, 20c.  
L.C. card 58-61057 A 93.28 : 98

**EDUCATION OFFICE, Health, Education, and Welfare Dept.**  
Washington, D.C. 20202

- 16225 Administration of elementary school programs for disadvantaged children  
[with selected bibliography]; by Helen K. Macintosh, Lillian Gore, and  
Gertrude M. Lewis. [1966.] vi+42 p. il. oblong 24° (OE-35082, Dis-  
advantaged children series 4.) \* Paper, 20c. ● Item 460-A-35  
L.C. card HEW 66-24 FS 5.235 : 35082
- 16226 Catalog of selected documents on the disadvantaged, number and author  
index; by Educational Research Information Center. [1966.] [3]+  
130 p. 4° (OE-37001; Bureau of Research.) [Title on cover is: ERIC  
catalog of selected documents on the disadvantaged, ERIC number and  
author index.] \* Paper, 65c. ● Item 460-A-37  
L.C. card HEW 66-159 FS 5.237 : 37001
- 16227 — subject index; by Educational Research Information Center. [1966.]  
[4] p.+[260] leaves, oblong 8° (Bureau of Research; OE-37002.)  
[Title on cover is: ERIC catalog of selected documents on the disad-  
vantaged, ERIC subject index. The leaves in the collation are issued in  
two sections.] \* Paper, \$3.00. ● Item 460-A-37  
L.C. card HEW 66-158 FS 5.237 : 37002
- 16228 City is a teacher, address by Harold Howe II, Commissioner of Education,  
Department of Health, Education, and Welfare, [before City Club of  
Chicago's annual Civil Assembly, Chicago Bar Association, Chicago,  
May 13, 1966.] [1966.] 13 leaves, 4° † FS 5.8 : H 83/10
- 16229 Educating disadvantaged children in elementary school, annotated bibliog-  
raphy; by Gertrude M. Lewis and Esther Murow. [1966.] v+33 p.  
oblong 24° (OE-35083; Disadvantaged children series 5.) \* Paper,  
20c. ● Item 460-A-35  
L.C. card HEW 66-24 FS 5.235 : 35083
- 16230 Education directory, 1965-66: pt. 4, Education associations; [prepared by  
Bobbie Doud]. [1966.] cover title, 134 p. ([OE-10001-66.]) \* Pa-  
per, 55c. ● Item 460 & 460-A-10  
L.C. card E 13-213 FS 5.25 : 965-66/pt. 4
- 16231 Education, literature of profession, bibliography from Educational Mate-  
rials Center, Division of Research Training and Dissemination, Bureau  
of Research. Apr. 15, 1966. [3]+16 p. 4° ([OE 14031-37.]) †  
● Item 460-A-14 FS 5.214 : 14031-37
- 16232 Foreign studies extension, overseas projects in education. [1966.] [2]+6  
p. narrow 8° ([OE-14132.]) † ● Item 460-A-14 FS 5.214 : 14132
- 16233 Fulbright-Hays graduate fellowships, overseas projects in education.  
[1966.] [2]+6 p. narrow 8° ([OE-14130.]) † ● Item 460-A-14  
FS 5.214 : 14130
- 16234 Improving State leadership in education, annual report of Advisory Council  
on State Departments of Education. Mar. 1966. x+145 p. il. (OE-  
23047.) \* Paper, 60c. ● Item 460-A-23  
L.C. card HEW 66-164 FS 5.223 : 23047
- 16235 It takes courage; [by Leslie and Joan Rich]. [1966.] [5] p. il. large 4°  
(OE-23048.) [Reprinted from American education, June 1966.] \* Pa-  
per, 15c. ● Item 460-A-23 FS 5.223 : 23048
- 16236 Learn, baby, learn [New York State summer camp is put to year-round  
use training dropouts; by Arthur Herzog]. [1966.] 4 p. il. large 4°  
(OE-20093.) [Reprinted from American education, Sept. 1966.] \* Pa-  
per, 10c. ● Item 460-A-20 FS 5.220 : 20093



# GOVERNMENT PUBLICATIONS

- 16237 [Lively 3d R, modern mathematics; by Kenneth E. Brown, Edwina Deans, and Veryl Schult]. [1966.] [8] p. il. 4° ([OE-29066.]) [Reprinted from American education, June 1966.] \* Paper, 15c. ● Item 460-A-29 FS 5.229: 29066
- 16238 New life for the Dodo, address by Harold Howe II, Commissioner of Education, Department of Health, Education, and Welfare, before annual convention, National School Boards Association, Minneapolis, Minn., Apr. 24, 1966. [1966.] 13 leaves, 4° † FS 5.8: H 83/9
- 16239 Preparation of professional personnel in education of handicapped children, manual on preparation of proposals and State plans, summer 1967, academic year 1967-68. [1966.] v+20+[1] p. il. ([OE-35087.]) † ● Item 460-A-35 FS 5.235: 35087
- 16240 Scope of pupil personnel services; coordinated by Louise Omwake Eckerson, Hyrum M. Smith. [1966.] v+95 p. oblong 24° ([OE-23045.]) [Illustration on cover.] \* Paper, 35c. ● Item 460-A-23 L.C. card HEW 66-161 FS 5.223: 23045
- 16241 State law relating to transportation and textbooks for parochial school students and Constitutional protection of religious freedom; by August W. Steinhilber, Carl J. Sokolowski. [1966.] iii+45 p. 4° (OE-20087. CIR 795; [Office of Legislation.]) \* Paper, 35c. ● Item 460-A-20 L.C. card HEW 66-157 FS 5.220: 20087
- 16242 Summary report on bachelor's and higher degrees conferred during year 1964-65; by National Center for Educational Statistics. [1966.] [3]+9+[1] p. il. 4° ([OE-54010-65.]) \* Paper, 15c. ● Item 460-A-54 L.C. card HEW 63-58 FS 5.254: 54010-65
- 16243 Summer seminars, overseas projects in education. [1966.] [2]+7+[1] p. narrow 8° ([OE-14131.]) † ● Item 460-A-14 FS 5.214: 14131

## EMPLOYMENT SECURITY BUREAU, Labor Dept. Washington, D.C. 20210

- 16244 Address by Robert C. Goodwin, Administrator, Bureau of Employment Security, to 30th annual meeting of Interstate Conference of Employment Security Agencies, Gatlinburg, Tenn., Sept. 27, 1966. [1966.] 13 leaves, 4° † L 7.33: G 63/20
- 16245 Directory, youth opportunity centers. Sept. 1, 1966. 31 p. 4° † L 7.2: Y 8/5
- 16246 Manual for general aptitude test battery: sec. 2, Norms, occupational aptitude pattern structure. June 1966. iii+65 p. 4° \* Paper, 45c. ● Item 756-B L 7.25/3: Ap 8/3/sec. 2
- 16247 Manual for USES general aptitude test battery: sec. 4, Norms, specific occupations. May 1966. [3]+87 p. 4° (U.S. Employment Service.) [Issued with marginal index tabs on blank cardboard showing titles.] \* Paper, \$1.50. L 7.25/3: Ap 8/3/sec. 4
- 16248 Seven services, how Employment Service helps the handicapped. [1966.] [20] p. il. ([United States Employment Service.]) \* Paper, 15c. ● Item 755 L 7.2: H 19/12

## ENGINEERS CORPS (Army), Defense Dept.

NOTE.—Orders or requests for publications of the Engineers Corps, other than those sold by the Superintendent of Documents or by offices of the Engineers Corps in other cities, should be addressed to Chief of Engineers, U.S. Army, Washington, D.C. 20310, Attention Publications Office.

Waterways Experiment Station.

NOTE.—Unless otherwise indicated, publications of Waterways Experiment Station may be ordered from Corps of Engineers, U.S. Army, Waterways Experiment Station, Vicksburg, Miss. (price upon application).

— Technical reports.

D 103.24/2: (nos.)

- 16249 2-734. Culvert pressures, Greenup Lock, Ohio River, Ky., hydraulic prototype tests; by P. M. Smith, R. A. Yates. Army-MRC Vicksburg, Miss., July 1966. x+23+[26] p. il. 4° [Sponsored by Office, Chief of Engineers, Army, and U.S. Army Engineer Districts, Pittsburgh, Huntington, and Louisville.] †

\*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

# NOVEMBER 1966

- 16250 2-736. Navigation conditions at Locks and Dam no. 4, Monongahela River, Pa., hydraulic model investigation; by J. J. Franco, C. D. McKellar, jr. Army-MRC Vicksburg, Miss., Aug. 1966. viii+20+[40] p. il. 4° [Sponsored by U.S. Army Engineer District, Pittsburgh.]
- 16251 2-739. Filling and emptying system, Cordell Hull Navigation Lock, Cumberland River, Tenn., hydraulic model investigation; by N. R. Oswalt, M. B. Boyd. Army-MRC Vicksburg, Miss., Sept. 1966. viii+24+[78] p. il. 4° [Sponsored by U.S. Army Engineer District, Nashville.]
- 16252 Your career in Corps of Engineers. [1966.] cover title, 32+[2] p. il. oblong 8° † ● Item 337 D 103.2: C 18/2

## FAMILY SERVICES BUREAU, Health, Education, and Welfare Dept., Washington, D.C. 20201

- 16253 Public welfare demonstration projects focus on education for AFDC youth; [prepared by Winifred Bell and Raymond F. Clapp]. Nov. 1965. cover title, [3]+35 p. 4° †  
L.C. card HEW 66-143 FS 14.202: P 96/12

## FARMER COOPERATIVE SERVICE, Agriculture Dept. Washington, D.C. 20250

General report. ● Item 65-A

- 16254 135. PCA cooperative-patron credit plan; by French M. Ilyre. [July 1966.] v+12 p. 4° †  
L.C. card Agr 66-306 A 89.11: 135

## FEDERAL AVIATION AGENCY Washington, D.C. 20553

FAA handbooks. [Issued in looseleaf form.] † ● Item 431-C-4

- 16255 8260.3. United States standards for terminal instrument procedures (TERPs). Sept. 1966. 181+[4]+47 p. il. 4° (Army Dept., Technical manual TM 11-2557-26; Navy Dept., OPNAV inst. 3722.16A, Air Force Dept., JAFM 55-9; Coast Guard manual CG 318.) [Text on p. 2 of cover. Cancels United States manual of criteria for standard instrument approach procedures (USMCSIAF), Sept. 1, 1956.]  
L.C. Card 66-62909 FAA 1.8/2: 8260.3
- 16256 SM-P-6000.4. Maintenance of control lines, [Change] 1; [June 29, 1966]. [1966.] [19] p. 4° [Approved June 29, 1966. Cancellation date Oct. 5, 1966.] FAA 1.8/2: SM-P-6000.4/ch.1

Federal aviation regulations. [Issued in looseleaf form.]

FAA 1.6/8: pt. (nos.)

- 16257 pt. 11. General rule-making procedures, Change 5 [effective] Aug. 20, 1966. [1966.] [16] p. 4° [Incorporates Amendment 11-5.] †
- 16258 pt. 21. Certification procedures for products and parts, Change 8 [effective July 6, 1966]. [1966.] [10] p. 4° [Incorporates Amendment 21-10.] †
- 16259 pt. 23. Airworthiness standards: Normal, utility, and acrobatic category airplanes. Reissue. [1966.] cover title, [1]+ix+P-2, 85+[44] p. il. 4° [Changes 1-3 attached at back.] \* Paper, 65c. ● Item 431-C-13
- 16260 pt. 61. Certification: Pilots and flight instructors, Change 16 [effective] Aug. 12, 1966. [1966.] [10] p. 4° [Reflects rescission of amdt. 61-21.] †
- 16261 pt. 63. Certification: Flight crewmembers other than pilots, Change 6; [effective Aug. 12, 1966]. [1966.] [8] p. 4° [Reflects rescission of amdt. 63-4.] †
- 16262 pt. 65. Certification: Airmen other than flight crewmembers, Change 8 [effective] Aug. 12, 1966. [1966.] [12] p. 4° [Reflects rescission of Amendment 65-8.] † ● Item 431-C-13
- 16263 pt. 91. General operating and flight rules, Change 19 [effective] July 6 and 15, 1966. [1966.] [17] p. 4° † ● Item 431-C-13
- 16264 pt. 151. Federal aid to airports, Change 12 [effective] July 26, 1966. [1966.] [10] p. 4° [Incorporates amendment 151-12.] †
- 16265 pt. 167. Annette Island, Alaska, Airport. [1966.] cover title, [8] p. 4° [Includes all, if any, Changes published to date of purchase.] \* Paper, 15c. ● Item 431-C-13
- 16266 General aviation inspection aids summary. Aug. 1966. cover title, viii+156 p. il. 4° ([Advisory circular] AC 20-7C; Flight Standards Service.) [Text on p. 2-4 of cover. Issued with perforations.] \* Paper, \$1.50 a yr. (including basic manual and 11 monthly supplements); 50c. additional for foreign mailing. ● Item 431-C-6  
L.C. card 59-61714 FAA 1.31: 966

ΦFor Sale by Clearinghouse, U.S. Department of  
Commerce, Springfield, Va. 22151  
●Sent to Depository Libraries

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## GOVERNMENT PUBLICATIONS

- 16267 General aviation, study and forecast of fleet and its use in 1975. July 1966. ix+129 p. il. 4° (Office of Policy Development, Economics Division.)  
 † ● Item 431-C-8  
 L.C. card 66-62921 FAA 1.2: Av 5
- 16268 In these hands [story of air traffic control]. [1966.] [6] p. il. † ● Item  
 431-C-8 FAA 1.2: H 19/966
- 16269 Instrument flight instructor, written examination guide [with one reference]. Revised 1966. [1966.] v+85 p. il. 4° ([AC-61-29.]) [Supersedes Instrument flight examination guide, 1962.] \* Paper, 50c. ● Item  
 431-C-4 FAA 1.8: In 7
- 16270 United States civil aircraft register. July 1, 1966. cover title, [62]+1480 p. 4° (AC 20-6F; Aeronautical Center, Data Services Division.) [Semiannual.] \* Paper, \$6.50. ● Item 431-F-5  
 L.C. card 63-65041 FAA 1.35/3: 966-2

### FEDERAL HOUSING ADMINISTRATION, Housing and Urban Development Dept., Washington, D.C. 20411

- 16271 FHA regulations: [Project mortgage insurance, amendments to sec. 207, 213, 220, 221, and 232]. [1966.] [24] p. ([FHA 4000.]) [Includes project regulations transmittal 47, July 25, 1966. Issued in looseleaf form.] †  
HH 2.6: M 84/6/964/trans.47
- 16272 Minimum property standards for urban renewal rehabilitation, 1-11 living units. Revised June 1966. [1966.] [1]+ii+1-2b, 3-56 p. 4° (FHA 950.) [Issued with perforations.] \* Paper, 40c. ● Item 593  
 L.C. card 66-62780 HH 2.17/3: Ur 1/966
- 16273 Rent supplement regulations no. 1. [1966.] [1]+4 p. [Includes Rent supplement payments transmittal 1. Issued in looseleaf form.] †  
HH 2.6: R 29/trans.1

### FEDERAL POWER COMMISSION Washington, D.C. 20426

National electric rate book, rate schedules for electric service in communities of 2,500 population or more, residential, commercial, and industrial services. [Issued with perforations.]

NOTE.—The complete rate book is made up of separate publications, each representing a State. They are sold on subscription basis by the Superintendent of Documents, \$8.00 a year, \$3.00 additional for foreign mailing; single copy, 25c.

- 16274 National electric rate book: Iowa. July 1966. [2]+25 p. 4° [Issued with perforations. Supersedes issue of July 1965.] ● Item 437-A-13  
FP 1.18: Io 9/966
- 16275 ——— Michigan. Aug. 1966. [2]+31 p. 4° [Supersedes issue of Aug. 1965.]  
 ● Item 437-A-20 FP 1.18: M 58/966
- 16276 ——— Texas. July 1966. [2]+55 p. 4° [Supersedes issue of July 1965.]  
 ● Item 437-A-41 FP 1.18: T 31/966

### FEDERAL REGISTER OFFICE, General Services Administration Washington, D.C. 20408

Code of Federal regulations and Cumulative pocket supplements.

NOTE.—For the convenience of those who maintain complete sets of the Code of Federal regulations, arrangements have been made to supply the 1965 pocket supplements for use during 1966 and any completely revised volumes issued in 1966 on a subscription basis at \$100.00 a year, \$30.00 additional for foreign mailing. The revised volumes and supplements will be mailed as printed and all subscribers will receive expiration notices in ample time to renew their subscriptions, thus avoiding loss of continuity. The Superintendent of Documents will continue to make available the revised volumes and individual supplements for those who do not maintain complete sets.

- 16277 Supplement to Code of Federal regulations: title 46, Shipping pts, 146-149, as of July 1, 1966. [1966.] cover title, iv+239 p. \* Paper, 60c.  
 ● Item 572  
 L.C. card 49-46198 rev. 3 GS 4.108: 46/pt. 146-149/supp. 966

\*For Sale by Superintendent of Documents

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FEDERAL RESERVE SYSTEM BOARD OF GOVERNORS  
Washington, D.C. 20551

- 16278 Commercial bank liquidity; [by] James L. Pierce. [1966.] p. 1093-1101, il. 4° (Staff economic study.) [Earlier draft presented at meeting of Federal Reserve System Committee on Financial Analysis, Philadelphia, Pa., Apr. 19-21, 1966. Reprinted from Federal reserve bulletin, Aug. 1966.] †  
FR 1.3/a: L 669/3
- 16279 Historical chart book, 1966. [1966.] cover title, [2]+122 p. il. oblong 8° [Contains charts that supplement monthly Federal reserve chart book.] † Paper, 60c., quantities of 10 or more in single shipment, 50c., each; 10c. additional for foreign mailing, one copy included in annual subscription to Federal reserve chart book.  
L.C. chart 50-13379  
FR 1.30/2: 966
- 16280 Interest rates in Western Europe. [1966.] [1]+1281-1299 p. il. 4° [Reprinted from Federal reserve bulletin, Sept. 1966.] †  
FR 1.3/a: In 8/8
- 16281 Monetary policy and U.S. balance of payments, remarks by Andrew F. Brimmer, member, Board of Governors of Federal Reserve System at Wharton School of Finance and Commerce, University of Pennsylvania, Philadelphia, Pa., Oct. 5, 1966. [1966.] [1]+15 leaves, 4° †  
FR 1.23: B 77/6
- 16282 Monitoring monetary policy, remarks by George W. Mitchell, member, Board of Governors of Federal Reserve System before New Hampshire Bankers Association, Whitefield, N.H., Oct. 14, 1966. [1966.] [1]+14 leaves, 4° †  
FR 1.23: M 69/34
- 16283 Recent monetary developments, remarks of Sherman J. Maisel, member, Board of Governors of Federal Reserve System, at Governor's conference on corporate pension fund investments, Los Angeles, Calif., Sept. 30, 1966. 1966. [1]+15 leaves, 4° †  
FR 1.23: M 28/5
- Regulation (series).
- 16284 H. Membership of State banking institutions in Federal Reserve System, amendment; effective Aug. 31, 1966. [1966.] [2] p. [Title 12. Code of Federal regulations, sec. 208.9.] †  
FR 1.6: H/952/amdt.-4
- 16285 Revision of weekly reporting member bank series. [1966.] p. 1137-40, 4° [Reprinted from Federal reserve bulletin, Aug. 1966.] †  
FR 1.3/a: M 512/6
- 16286 Strategy of monetary policy in high employment economy, remarks by Andrew F. Brimmer, member, Board of Governors of Federal Reserve System, before 76th annual convention of California Savings and Loan League, San Diego, Calif., Sept. 23, 1966. 1966. [1]+20 leaves, 4° †  
FR 1.23: B 77/5
- 16287 Tomorrow's money as seen today, remarks of George W. Mitchell, member, Board of Governors of Federal Reserve System at annual stockholders meeting of Federal Reserve Bank of Boston, Boston, Mass., Oct. 6, 1966. [1966.] [1]+12 leaves, 4° †  
FR 1.23: M 69/33

FEDERAL SUPPLY SERVICE, General Services Administration  
Washington, D.C. 20405

- 16288 Federal specifications. ● Item 563 GS 2.8:  
NOTE.—These specifications are now so completely covered by the Index of Federal specifications, standards, and handbooks with cumulative monthly supplements, that listing in the Monthly Catalog of United States Government Publications represents unnecessary and wasteful duplication of effort. For that reason they will no longer be listed.  
Complete information on the Index of Federal specifications will be found in the Appendix to the February 1966 issue of the Monthly Catalog under Entry number 3052 and in the May 1966 issue under Entry number 7426.
- Federal standards. [Issued with perforations.] ● Item 563  
NOTE.—Federal standards may be purchased from the General Services Administration, Business Service Center, Region 3, 7th and D Streets, SW., Washington, D.C. 20407. All checks and money orders should be made payable to the Treasurer of the United States. Single copies are available without charge at the nearest GSA regional office.
- 16289 209a. Clean room and work station requirements, controlled environment. Aug. 10, 1966. [1]+iii+21 p. il. 4° [Supersedes Fed. std. 209, Dec. 16, 1963.] † Paper, 15c.  
GS 2.8/3: 209a

# GOVERNMENT PUBLICATIONS

- 16290 GSA stock catalog: pt. 2, Standard forms, standard, optional, and GSA forms. [1966.] cover title, 24 p. 4° [Text on p. 2 of cover.] †  
 ● Item 565-B GS 2.10/6: pt. 2/966

## FEDERAL WATER POLLUTION CONTROL ADMINISTRATION, Interior Dept., Washington, D.C. 20242

NOTE.—The Federal Water Pollution Control Administration was transferred from the Department of Health, Education, and Welfare to the Department of the Interior by Reorganization Plan no. 2 of 1966, effective May 10, 1966.

- 16291 Chesapeake Bay-Susquehanna River basins project for water supply and water quality management. [1965, revised June 1966.] [1966.] [2]+12+[2] p. il. narrow 8° ([WP-27.]) † ● Item 473-A-1  
 I 67.2: C 42
- 16292 Sewage and water works construction, 1965; [prepared by Kenneth H. Jenkins and Florence G. Simmons]. [1966.] iv+12 p. 4° ([WP-15.]) [Formerly Public Health Service publication 758.] † ● Item 498-A  
 I 67.11: 965

## FISH AND WILDLIFE SERVICE, Interior Dept. Washington, D.C. 20240

- 16293 Birds in our lives; Alfred Stefferud, editor, Arnold L. Nelson, managing editor, Bob Hines, artist. [1966.] xiii+561 p. il. 4° (Bureau of Sport Fisheries and Wildlife.) [Made up of signed articles. One illustration is colored. Contains copyright material.] \* Cloth, \$9.00. ● Item 612  
 L.C. card 66-62764 I 49.2: B 53/3

C.F.S. (series). (Bureau of Commercial Fisheries.) † ● Item 610-A  
 I 49.8/2: (nos.)

- 16294 4087. Michigan, Ohio & Wisconsin landings, 1965, annual summary. [1966.] 6 p. il. 4° [Prepared in cooperation with Michigan Department of Conservation, Division of Fish and Fisheries, Ohio Department of Natural Resources, Division of Wildlife, Section of Fish Management and Wisconsin Conservation Department, Division of Fish Management.]
- 16295 4124. Virginia landings, 1965, annual summary. [1966.] 13 p. il. 4° [Prepared in cooperation with Virginia Commission of Fisheries, Newport News, Institute of Marine Science, Gloucester Point, Potomac River Fisheries Commission, Colonial Beach.]
- 16296 4133. Georgia landings, 1965, annual summary. [June 1966.] 9 p. il. 4° [Prepared in cooperation with Georgia State Game and Fish Commission, Atlanta, Ga.]

Circulars. † I 49.4: (nos.)

- 16297 239. Report of Bureau of Commercial Fisheries Biological Station, St. Petersburg Beach, Fla., fiscal years 1962-64. Apr. 1966. [2] leaves+26 p. il. 4° (Bureau of Commercial Fisheries.) [Contribution no. 23, Bureau of Commercial Fisheries Biological Station, St. Petersburg Beach, Fla.]
- 16298 246. Annual report of Bureau of Commercial Fisheries, Biological Laboratory, Galveston, Tex., fiscal year 1965 [with list of publications]. June 1966. iv+51 p. il. 4° (Bureau of Commercial Fisheries.) [Contribution 208, Bureau of Commercial Fisheries, Biological Laboratory, Galveston, Tex.]  
 ● Item 609  
 L.C. card 66-62912

Fishery market development series. (Bureau of Commercial Fisheries.)

- 16299 3. Heirloom seafood recipes to treasure. [June 1966.] cover title, [20] p. il. [Prepared in cooperation with commercial fishing industry.] \* Paper, 20c.  
 ● Item 611-F I 49.49/2: 3

Refuge leaflets. (Bureau of Sport Fisheries and Wildlife.) †  
 I 49.44: (nos.)

- 16300 11. Seney National Wildlife Refuge. [Revised July 1966.] [1966.] [4] p. il. 4° ● Item 612-C
- 16301 28. Laguna Atascosa National Wildlife Refuge. [Revised edition.] [June 1966.] 4 p. il. 4°
- 16302 39. Parker River National Wildlife Refuge. [1958, revised May 1966.] [1966.] 4 p. il. 4°
- 16303 107. Birds of Mattamuskeet and Swanquarter National Wildlife Refuges. [Revised edition.] [July 1966.] 4 p. 4°
- 16304 113. Birds of Pea Island National Wildlife Refuge. [Apr. 1954, revised June 1966.] [1966.] 4 p. 4°
- 16305 128. Birds of Chincoteague National Wildlife Refuge. [Oct. 1954, revised Apr. 1966.] [1966.] 4 p. 4°
- 16306 152. Birds of Medicine Lake National Wildlife Refuge. [Mar. 1954, revised June 1966.] [1966.] 4 p. 4°

\*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

# NOVEMBER 1966

- 16307 155. Birds of Squaw Creek National Wildlife Refuge. [Revised July 1966.]  
[1966.] 4 p. 4°
- 16308 214. Birds of Harris Neck National Wildlife Refuge. [June 1966.] 4 p. 4°
- 16309 215. Birds of Blackbeard Island National Wildlife Refuge. [June 1966.] 3 p. 4°
- 16310 409. Fishes of Delta National Wildlife Refuge. [July 1966.] 4 p. il. 4°

## Resource publications.

I 49.66: (nos.)

- 16311 26. Annual report for 1965, cooperative fishery units; prepared by Travis Roberts.  
June 1966. iv+69 p. il. 4° (Division of Fishery Services; Bureau of  
Sport Fisheries and Wildlife.) [Includes list of publications and papers  
prepared and presented by unit personnel.] †  
L.C. card 66-60288
- 16312 27. 1965 national survey of fishing and hunting. [1966.] iv+76 p. il. oblong  
12° (Bureau of Sport Fisheries and Wildlife.) \* Paper, 75c. ● Item  
613-B  
L.C. card 56-62461

## Special scientific report: Fisheries (series). (Bureau of Commercial Fisheries.)

- 16313 538. Distribution of spawning pink salmon in Sashin Creek, southeastern Alaska,  
and survival of their progeny [with list of literature cited]; by William  
J. McNeil. Sept. 1966. iii+12 p. il. 4° ‡ ● Item 614-B

I 49.15/2: 538

## Wildlife (series). (Bureau of Sport Fisheries and Wildlife.)

- 16314 96. Metabolism of pesticides [with bibliography]; by Calvin M. Menzie. May  
1966. 274 p. il. 4° ‡

I 49.15/3: 96

## Wildlife leaflets. (Bureau of Sport Fisheries and Wildlife.) †

I 49.13: (nos.)

- 16315 473. Big game inventory for 1965; compiled in Bird and Mammal Laboratories,  
Division of Wildlife Research. Aug. 1966. 4 p. 4°
- 16316 474. Fur catch in United States, 1965; compiled in Bird and Mammal Laboratories,  
Division of Wildlife Research. Aug. 1966. 4 p. il. 4°

## FLIGHT STANDARDS SERVICE, Federal Aviation Agency Washington, D.C. 20553

- 16317 Flight test guide: Private pilot airplane, single-engine. Revised 1966.  
[1966.] vi+28 p. narrow 12° ([Advisory circular AC 61-3A.]) [Su-  
persedes edition of Apr. 1963.] \* Paper, 20c. ● Item 431-F-3

FAA 5.8/2: F 64/2/966

## FOOD AND DRUG ADMINISTRATION, Health, Education, and Welfare Dept., Washington, D.C. 20201

- 16318 General regulations for enforcement of Federal food, drug and cosmetic act,  
title 21, pt. 1. June 1966. [2]+31 p. 4° ([F.D.C. regs., pt. 1.]) [Re-  
printed from Code of Federal regulations (21 CFR). Issued in loose-  
leaf form.] \* Paper, 25c. ● Item 480

FS 13.106/2: 1/3

## FOREIGN AGRICULTURAL SERVICE, Agriculture Dept. Washington, D.C. 20250

### [Foreign Agricultural Service, miscellaneous], FAS M (series).

- 16319 179. Cotton in Turkey; by Vernon L. Harness and Charles F. Lewis. Sept. 1966.  
iv+18 p. il. 4° †  
L.C. card Agr 66-342

A 67.26: 179

## FOREST SERVICE, Agriculture Dept. Washington, D.C. 20250

- 16320 Defending United States from nuclear fire, resumé of final report of Na-  
tional fire coordination study [with list of references; by William R.  
Moore, James W. Jary, and John H. Dieterich]. [1966.] cover title,  
15 p. il. 4° (Division of Fire Control.) [National fire coordination  
study was conducted by Forest Service for Office of Civil Defense under  
project OCD-PS-64-229. Page 15 appears on p. 3 of cover.] †

A 13.2: F 51/47

- 16321 Forest insect conditions in United States, 1965. [Sept. 1966.] 47 p. il.  
4° † ● Item 82-B  
L.C. card 63-65001

A 13.52/2: 965

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Commerce, Springfield, Va. 22151

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# GOVERNMENT PUBLICATIONS

## Forest pest leaflet. ● Item 82-A

- 16322 101. *Strumella* canker of oaks [with list of references]; by David R. Houston.  
Aug. 1966. 8 p. il. †  
L.C. card Agr 66-305 A 13.52 : 101

## Research note INT (series). (Intermountain Forest & Range Experiment Station, Ogden, Utah.) † A 13.79 : INT-(nos.)

- 16323 INT-43. Snow loads on roofs in area of heavy snowfall; [by] Robert D. Doty and Glenn H. Deitschman. 1966. 4 p. il. 4°  
16324 INT-44. Evaluating growth performance of young stands; [by] A. L. Roe and R. E. Benson. 1966. 7 p. il. 4°  
16325 INT-46. Effect of pine butterfly defoliation on ponderosa pine in southern Idaho [with list of literature cited; by] Walter E. Cole. 1966. 7 p. il. 4°

## Research note ITF (series). (Institute of Tropical Forestry, Rio Piedras, Puerto Rico.) † A 13.79 : ITF-(nos.)

- 16326 ITF-3. Survival and growth of bagged and barerooted Honduras pine, cadam, and primavera; by José Marrero. Dec. 1965. 4 p. 4° [English and Spanish.]  
16327 ITF-4. Effect of plastic mulch on weed growth and early height growth of Honduras pine; by José Marrero. Dec. 1965. 5 p. 4° [Prepared in cooperation with University of Puerto Rico. Text in English and Spanish.]  
16328 ITF-5. Potting media for Honduras pine; by José Marrero. Dec. 1965. 7 p. 4° [English and Spanish.]

## Research note SE (series). (Southeastern Forest Experiment Station, Asheville, N.C.) † A 13.79 : SE-(nos.)

- 16329 SE-61. One prescribed burn and its effects on habitat of Powhatan Game Management Area; [by Charles T. Cushwa and John B. Redd]. Sept. 1966. [2] p. 4°  
16330 SE-62. Sycamore produces viable seed after 6 years; [by A. F. Ike, jr.]. Sept. 1966. [2] p. 4°  
16331 SE-63. Early response of pole-sized slash pine to drainage; [by Ralph A. Klawitter]. Sept. 1966. [2] p. il. 4°  
16332 SE-64. Estimating recreation use on complex of developed sites [with list of literature cited; by George A. James and John L. Rich]. Sept. 1966. [8] p. il. 4°

## Research note SO-(series). (Southern Forest Experiment Station, New Orleans, La.) † A 13.79 : SO-(nos.)

- 16333 SO-30. Pine seedling survival under simulated drought [with list of literature cited; by] John J. Stransky and Durell R. Wilson. 1966. 2 p. il. 4°  
16334 SO-31. Litter in longleaf pine stands thinned to prescribed densities [with list of literature cited; by] W. D. Boyer and G. R. Fahnestock. 1966. 4 p. il. 4°  
16335 SO-32. Survival and 1st-year growth of hardwoods planted in saturated soils [with list of literature cited; by] F. T. Bonner. 1966. 4 p. il. 4°

## Research paper INT (series). (Intermountain Forest & Range Experiment Station, Ogden, Utah.) † A 13.78 : INT-(nos.)

- 16336 INT-27. Bibliography of high-temperature kiln drying of lumber; [by] David P. Lowery and John P. Krier. 1966. [2]+14+[1] p. 4°  
L.C. card 66-62792  
16337 INT-29. Initial vegetal development following prescribed burning of Douglas-fir in south-central Idaho; [by] L. Jack Lyon. 1966. [2]+17+[1] p. il. 4°

## Research paper ITF-(series). (Institute of Tropical Forestry, Rio Piedras, Puerto Rico.) † A 13.78 : ITF-2

- 16338 ITF-2. Solar drying of tropical hardwoods [with list of literature cited; by M. Chudnoff, E. D. Maldonado, and E. Goytia]. Apr. 1966. cover title. 26 p. il. 4° [Prepared in cooperation with University of Puerto Rico. Resume in Spanish on p. 2 of cover. Abstract cards inserted.]  
A 13.78 : ITF-2

## Research paper SE-(series). (Southeastern Forest Experiment Station, Asheville, N.C.)

- 16339 SE-21. Racial variation in slash pine as affected by climatic factors [with list of literature cited]; by A. E. Squillace. Aug. 1966. cover title. [2]+10 p. il. 4° [Abstract cards inserted.] † A 13.78 : SE-21

## GENERAL ACCOUNTING OFFICE

Washington, D.C. 20548

- 16340 Audits of Government contracts. [1966.] v+25 p. il. \* Paper, 15c.  
● Item 545 GA 1.2 : Au 2/5  
16341 Decisions of Comptroller General, v. 44, July 1, 1964-June 30, 1965. [1966.] xxxiii+1018 p. \* Cloth, \$3.75. ● Item 544  
L.C. card 22-24145 GA 1.5 : 44

\*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

- 16342 Report to Congress of United States: Examination of financial statements of Columbia River Federal Power System, fiscal year 1965, Departments of Army and Interior; by Comptroller General of United States. Sept. 1966. cover title, [4] leaves+31 p. 4° † Paper, \$1.00.  
L.C. card 66-62587 GA 1.13: C 72/2
- 16343 — Follow-up review of management of aircraft engines used in ground training programs, Department of Air Force; by Comptroller General of United States. Sept. 1966. cover title, [3] leaves+20 p. 4° † Paper, \$1.00.  
L.C. card 66-62624 GA 1.13: En 3/12
- 16344 — Long-term leasing of buildings and land by Government contractors, Department of Defense; by Comptroller General of United States. Sept. 1966. cover title, [4] leaves+49 p. 4° † Paper, \$1.00.  
L.C. card 66-62590 GA 1.13: L 48/4
- 16345 — Need for effective controls over timber-cutting practices in Pacific Northwest Region, Forest Service, Department of Agriculture; by Comptroller General of United States. Sept. 1966. cover title, [4] leaves+23 p. 4° † Paper, \$1.00.  
L.C. card 66-62589 GA 1.13: T 48/6
- 16346 — Potential savings to Government through increased purchasing from General Services Administration supply sources by contractors which operate facilities of Atomic Energy Commission; by Comptroller General of United States. Sept. 1966. cover title, [3] leaves+22 p. 4° † Paper, \$1.00.  
L.C. card 66-62591 GA 1.13: P 97/3
- 16347 — Review of financial administration of selected grants for health services made to Indiana, Public Health Service, Department of Health, Education, and Welfare; by Comptroller General of United States. Sept. 1966. cover title, [5] leaves+31 p. 4° † Paper, \$1.00.  
L.C. card 66-62604 GA 1.13: H 34/5
- 16348 — Review of policy of leasing motor vehicles for use of government contractors, Department of Defense; by Comptroller General of United States. Sept. 1966. cover title, [4] leaves+18 p. 4° † Paper, \$1.00.  
L.C. card 66-62592 GA 1.13: M 85/8
- 16349 — Review of procurement and utilization of security covers for nuclear weapons, Atomic Energy Commission and Department of Defense; by Comptroller General of United States. Sept. 1966. cover title, [3] leaves+25 p. 4° † Paper, \$1.00.  
L.C. card 66-62588 GA 1.13: W 37/5
- 16350 — Savings available if uniform items are furnished to postal employees in lieu of allowances, Post Office Department; by Comptroller General of United States. Sept. 1966. cover title, [3] leaves+26 p. 4° † Paper, \$1.00.  
L.C. card 66-62603 GA 1.13: Un 3/5
- 16351 — Unauthorized use of management and investigations of resources funds for new construction, Bureau of Sport Fisheries and Wildlife, Fish and Wildlife Service, Department of Interior; by Comptroller General of United States. Sept. 1966. cover title, [7]+31 p. 4° † Paper, \$1.00.  
L.C. card 66-62605 GA 1.13: F 96/6

GENERAL SERVICES ADMINISTRATION  
Washington, D.C. 20405

- 16352 Federal Fire Council, minutes of annual meeting, Apr. 12, 1966, future of municipal fire service, industrial fire safety today. [Apr. 12, 1966.] cover title, v+38 p. il. 4° †  
L.C. card 50-33430 GS 1.14/3: 966
- 16353 Federal fire experience for fiscal year 1965. [Sept. 1966.] cover title, ii+6 p. il. 4° (Federal Fire Council.) [Condensed report. Text on p. 2 and 3 of cover.] †  
L.C. card 57-61373 GS 1.14/2: 965

# GOVERNMENT PUBLICATIONS

## GEOGRAPHIC NAMES BOARD, Interior Dept. Washington, D.C. 20240

### Gazetteer. ● Item 617

- 16354 100. Mauritania, official standard names approved by Board on Geographic names : prepared in Office of Geography. June 1966. [2] + vii + 149 p. il. oblong 8° † Limited distribution, Office of Geography, Interior Dept. I 33.8 : 100  
L.C. card 66-62751

## GEOLOGICAL SURVEY, Interior Dept. Washington, D.C. 20405

### Bulletins. ● Item 620

A 19.3 : (nos.)

- 16355 1198-E. Geochemical reconnaissance in Pequop Mountains and Wood Hills, Elko County, Nev. [with list of references cited] ; by R. L. Erickson [and others]. 1966. iii + 20 p. il. 1 pl. in pocket. [Discussion of anomalously high concentrations of zinc, lead, and mercury in Guilmette Formation and Simonson Dolomite of Devonian age in Pequop Mountains and Wood Hills. Contributions to geochemical prospecting for minerals.] \* Paper, \$1.00.
- 16356 1220. Terrestrial impact structures, bibliography ; by Jacquelyn H. Freeberg. 1966. v + 91 p. 1 pl. in pocket. \* Paper, 70c.  
L.C. card GS 66-245
- 16357 1234. Bibliography of North American geology, 1964 ; [by James W. Clarke and others]. 1966. v + 944 p. \* Paper, \$2.75.  
L.C. card GS 9-427

- 16358 Earth resources observation satellite, EROS, Department of Interior program to utilize space-acquired data for natural and human resource management. [1966.] cover title, 9 leaves, 7 pl. 4° † I 19.2 : Sa 8/2

### Professional papers. ● Item 624

A 19.16 : (nos.)

- 16359 272-G. Evaporation study in humid region, Lake Michie, N.C. [with list of selected references] ; by J. F. Turner, jr. 1966. iv + 137 = 157 p. il. 4° [Prepared in cooperation with Durham, N.C. Evaluation of evaporation using mass-transfer and water-budget techniques. Studies of evaporation.] \* Paper, 20c.
- 16360 486-C. Hydrologic regimen of Salton Sea, Calif. [with list of references] ; by Allen G. Hely, G. H. Hughes, and Burdge Ireland. 1966. iv + 32 p. il. 4° [Study of variations in water level and water quality and their causes. Water resources of lower Colorado River, Salton Sea area.] \* Paper, 30c.
- 16361 523-C. Late Pleistocene marine paleoecology and zoogeography in central California [with list of references] ; by W. O. Addicott. 1966. iii + 21 + [2] p. il. 4 pl. 4° [Invertebrate assemblages analogous to Aleutian molluscan province indicate former cool-temperate marine climate. Contributions to paleontology.] \* Paper, 35c.

### Water-supply papers. ● Item 625

I 19.3 : (nos.)

- 16362 1757-E. Occurrence, chemical quality and use of ground water in Tabulbah area, Tunisia [with list of references] ; by L. C. Dutcher and H. E. Thomas. 1966. iii + 29 p. il. 5 pl. in pocket. [Prepared in cooperation with Groupe d'Hydraulique et l'Equipe Rural, Tunisian Secretariat of State for Agriculture under Auspices of United States Agency for International Development. Contributions to hydrology of Africa and Mediterranean region. One plate is colored.] \* Paper, \$1.25.
- 16363 1798-C. Sedimentation in Brownell Creek subwatershed no. 1, Nebr. [with list of literature cited] ; by James C. Mundorff. 1966. v + 49 p. il. 1 pl. in pocket. [Prepared in cooperation with Department of Agriculture Soil Conservation Service. Sedimentation in small drainage basins.] \* Paper, 60c.
- 16364 1950. Quality of surface waters of United States, 1963 : pts. 7-8, Lower Mississippi River Basin and Western Gulf of Mexico Basins : [prepared by personnel of Water Resources Division]. 1966. xii + 635 p. il. [Prepared in cooperation with Arkansas, Kansas, Louisiana, Mississippi, Missouri, New Mexico, Oklahoma, and Texas, and with other agencies.] \* Paper, \$2.00  
L.C. card GS 43-68

## HEALTH, EDUCATION, AND WELFARE DEPARTMENT Washington, D.C. 20201

- 16365 Health, education, and welfare trends : pt. 2, State data and State rankings in health, education, and welfare ; [by Eleanor P. Hunt and Earl E. Huyck]. 1965 edition. [1966.] vi + 19 + S73 p. il. 4° ([Office of Assistant Secretary for Program Coordination.]) [Annual supplement to monthly Health, education, and welfare indicators. Edge index on p. 4 of cover.] \* Paper, 55c. ● Item 445-B  
L.C. card HEW 59-33 FS 1.19 : 965/pt. 2

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# NOVEMBER 1966

- 16366 Programs and services, Department of Health, Education, and Welfare.  
Sept. 1966. vi+374 p. 4° \* Paper, \$2.00 ● Item 445  
L.C. card 66-62766 FS 1.2: H 34/10

## IMMIGRATION AND NATURALIZATION SERVICE, Justice Dept. Washington, D.C. 20536

- 16367 Citizenship Day and Constitution Week bulletin, Sept. 17, 1966. [1966.]  
[3]+26 p. † ● Item 723-B J 21.14: 966

## INDIAN AFFAIRS BUREAU, Interior Dept. Washington, D.C. 20240

- 16368 Indians of California. [1966.] cover title, 20 p. il. oblong 24° \* Paper,  
15c. ● Item 627-A I 20.51: C 12  
L.C. card 66-60547
- 16369 Indians of central Plains. [1966.] cover title, 20 p. il. oblong 25° \* Paper,  
15c. ● Item 627-A I 20.51: C 33  
L.C. card 66-60547

## INTERIOR DEPARTMENT Washington, D.C. 20240

- 16370 C. F. Braun & Company conceptual design 150-MGD-LTV desalting plant  
[with bibliography]; by C. F. Braun & Company, Alhambra, Calif. Aug.  
1966. [166] p. il. 4° ([Office of Saline Water; contract 14-01-0001-  
733.]) \* Paper, \$2.25. ● Item 604-A I 1.87/3: B 73/2
- 16371 Saline water conversion report for 1965 [with reference and bibliography].  
[1966.] xxv+308 p. il. 4° (Office of Saline Water.) [Includes list of  
Research and development progress reports.] \* Paper, \$1.50. ● Item  
604-A I 1.1/3: 965  
L.C. card 61-61386
- [Saline water] research and development progress reports. (Office of  
Saline Water.) ● Item 604-A-1 I 1.88: (nos.)
- 16372 182. Transport of electrolytes through membrane systems; by Milton S. Mintz,  
Southern Research Institute, Birmingham, Ala. May 1966. iv+58 p.  
il. 4° ([Contract 14-01-0001-464.]) \* Paper, 40c.  
L.C. card 66-62743
- 16373 195. Desalination by electrosorption and desorption; by Robert E. Lacey, South-  
ern Research Institute, Birmingham, Ala. June 1966. [2]+iv+71 p. il.  
4° ([Contract 14-01-0001-409.]) \* Paper, 45c.
- 16374 199. Study and analysis of application of saline water conversion processes to  
acid mine waters; by W. C. Schroeder and J. M. Marchello, Department  
of Chemical Engineering, University of Maryland. Aug. 1966. [4]+iv+  
65 p. 4° ([Contract 14-01-0001-645.]) \* Paper, 45c.  
L.C. card 66-62785
- 16375 200. Mechanism of boule flotation on water and other liquids; by Kenneth Hick-  
man, Rochester Institute of Technology, Rochester, N.Y. Sept. 1966.  
[2]+1-41A, 42-64 p. il. 4° ([Grant 14-01-0001-375.]) \* Paper, 40c.  
L.C. card 66-62911
- 16376 202. Development of improved ion-selective membranes for desalting water, [pt.  
1 and 2; by W. C. Sheehan, R. W. Ligett, E. B. Dismukes, Southern Re-  
search Institute, Birmingham, Ala.] [Aug. 1966.] cover title, [1]+  
iv+56+iii+48 p. il. 4° ([Contracts 14-01-0001-347 and 14-01-0001-  
508.]) \* Paper, 60c.  
L.C. card 66-62667
- 16377 205. Research on pumping unit studies, final evaluation report; by Bureau of  
Reclamation, Office of Chief Engineer. Sept. 1966. [3]+ii+39 leaves,  
il. 4° ([Contract 14-01-000-544.]) \* Paper, 65c.  
L.C. card 66-62786
- 16378 207. Engineering study of potentialities and possibilities of desalting for north-  
ern New Jersey and New York City [with bibliography]; by Ralph M.  
Parsons Company, Los Angeles, Calif. Sept. 1966. [342] p. il. 3 pl.  
map, 4° ([Contract 14-01-0001-749.]) \* Paper, \$2.25.  
L.C. card 66-62783
- 16379 Study of strip and surface mining in Appalachia, interim report to Appala-  
chian Regional Commission [with list of selected references]. [1966.]  
xxv+78 p. il. 4° [Text on p. 2 of cover.] \* Paper, \$1.00. ● Item 603  
L.C. card 66-62700 I 1.2: M 66/2

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# GOVERNMENT PUBLICATIONS

## INTERNAL REVENUE SERVICE, Treasury Dept. Washington, D.C. 20224

- 16380 Guide to laws enforced by Alcohol and Tobacco Tax Division, for law enforcement officers. [Revised July 1966.] [1966.] 16 p. il. narrow 16° (Document 5173.) † ● Item 956-A T 22.19/2: L 44/966
- 16381 Looseleaf regulations system: Service 5, Procedure and administration, transmittal 30. July 29, 1966. [5] p. 4° ● Item 961 T 22.19/3: 5/trans.30
- NOTE.—Service 5 consists of pts. 152, 301-303 and 601 of title 26 of Code of Federal regulations. It is sold on a subscription basis by the Superintendent of Documents, \$4.50 (including basic material and supplements issued irregularly for approximately 3 years); \$1.00 additional for foreign mailing.
- 16382 What you should know about Alcohol and Tobacco Tax Division [with bibliography; prepared by Alcohol and Tobacco Tax Division]. [1966.] 32 p. il. (Publication 425 (rev. 6-66); [Document 5304 (12-60)].) † ● Item 956 T 22.2: A1 1/3/966-2

## INTERNATIONAL DEVELOPMENT AGENCY, State Dept. Washington, D.C. 20523

- 16383 Investment in southeast Asia [studies, with bibliographies; prepared by International Development Services, Inc.]. July 1966. iii+[2]+108 p. 4° (Southeast Asia supplement to Catalog of investment information and opportunities index; Office of Development Finance and Private Enterprise.) [Issued with perforations. Illustration on front cover. One page left blank for notes.] † L.C. card 66-60899 S 18.35/3: As 4

## INTERNATIONAL LABOR AFFAIRS BUREAU, Labor Dept. Washington, D.C. 20210

- 16384 Directory of labor organizations, Africa; [prepared by Essie A. Hunter and others]. Revised edition. May 1966. [Edge index and how to use, on last page. Prepared in cooperation with Labor Statistics Bureau.] \* Stiff board, \$6.25 per set (2 vols.). ● Item 762-A L 29.9: Af 8/966/v.1,2
- v. 1. [Algeria.] [462] p. il. 4°  
v. 2. [Portuguese Guinea-Zambia.] [418] p. 4°

## INTERSTATE COMMERCE COMMISSION Washington, D.C. 20423

- 16385 Ex parte 171, rules, standards and instructions for installation, inspection, maintenance and repair of automatic block signal systems, interlocking traffic control systems, automatic train stop, train control and cab signal systems and other similar appliances, methods and systems; effective Mar. 31, 1966. [1966.] cover title, [2]+84 p. 16° (Bureau of Railroad Safety and Service.) [Approved June 29, 1950 and revised Apr. 3, 1961, Sept. 22, 1964 and Jan. 24, 1966.] \* Paper, 35c. ● Item 678 IC 1.12/2: Si 2/966
- 16386 Results of selective safety road-checks, data from 1964 and 1965. June 1966. [9] p. narrow f° (Bureau of Operations and Compliance.) [Corrected table 1, 1 p. oblong 8°, issued also.] † IC 1 mot.2: R 53/964/65

## JOINT CHIEFS OF STAFF, Defense Dept. Washington, D.C. 20301

- 16387 Industrial College of Armed Forces, 1966-67 [catalog]. [1966.] cover title, 48+[4] p. il. oblong 8° ([Fort Lesley J. McNair, Washington, D.C.]) † ● Item 315-B D 5.11: 966-67
- Industrial College of Armed Forces: [Monograph] publication R (series).
- 16388 237. Catalog of publications, 1964-65. [1966.] [3]+ii+1-40a, 41-219 p. 4° [Issued with perforations.] † ● Item 315-B D 5.10/3: 237

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JCS pub. (series). • Item 315-C

- 16389 1. Dictionary of United States military terms for joint usage (short title: JD). Jan. 1, 1966. cover title, viii+204 p. 4° [NATO & SEATO glossaries, AAP-6 & SEAP-2, incorporated. Supersedes JCS pub. 1, Dec. 1, 1964. Issued with perforations.] \* Paper, \$1.25.  
L.C. card 59-62410 rev. D 5.12: 1/6

JOINT PUBLICATIONS RESEARCH SERVICE  
Washington, D.C. 20443

NOTE.—Titles of JPRS serial reports listed below were issued during the month, but were not cataloged separately.

- 16390-1 Communist Chinese scientific abstracts: Agricultural science and technology, nos. 30-35; JPRS 37602, 37730, 37741, 37795, 38014, 38022.  
16390-2 Communist Chinese scientific abstracts: Bio-medical sciences, nos. 140-158; JPRS 37595, 37596, 37665, 37694, 37732, 37781, 37787, 37791, 37849, 37869, 37917, 37961, 38001, 38010, 38026, 38024, 38030, 38040, 38069.  
16390-3 Communist Chinese scientific abstracts: Chemistry, nos. 32-43; JPRS 37597, 37666, 37695, 37727, 37782, 37794, 37835, 37940, 37974, 38021, 38031, 38043.  
16390-4 Communist Chinese scientific abstracts: Earth sciences, nos. 65-69; JPRS 37598, 37728, 38011, 38032, 38051.  
16390-5 Communist Chinese scientific abstracts: Electronics and electrical engineering, nos. 33-38; JPRS 37599, 37667, 37733, 37836, 38012, 38033.  
16390-6 Communist Chinese scientific abstracts: Engineering and equipment, nos. 45-52; JPRS 37696, 37729, 37850, 37901, 37962, 38017, 38041, 38092.  
16390-7 Communist Chinese scientific abstracts: Materials science and metallurgy, no. 4; JPRS 38034.  
16390-8 Communist Chinese scientific abstracts: Physics and mathematics, nos. 49-56; JPRS 37600, 37601, 37668, 37697, 38013, 38042, 38077, 38093.  
16390-9 Conferences in Soviet bloc, no. 22; JPRS 37589.  
16390-10 Cybernetics, USSR, no. 3, 1966; JPRS 38096.  
16390-11 East European scientific abstracts: Bio-medical science, nos. 49-51; JPRS 37583, 37812, 37949.  
16390-12 East European scientific abstracts: Chemistry, no. 80; JPRS 37950.  
16390-13 East European scientific abstracts: Cybernetics, computers, and automation technology, no. 17; JPRS 37944.  
16390-14 East European scientific abstracts: Earth sciences, no. 46; JPRS 37860.  
16390-15 East European scientific abstracts: Electronics and electrical engineering, no. 25; JPRS 37861.  
16390-16 East European scientific abstracts: Engineering and equipment, no. 24; JPRS 37808.  
16390-17 East European scientific abstracts: Materials science and metallurgy, no. 3; JPRS 37862.  
16390-18 East European scientific abstracts: Physics and mathematics, no. 71; JPRS 37809.  
16390-19 Economic and geographic translations on Latin America, nos. 48-53; JPRS 37582, 37648, 37839, 37910, 37934, 38009.  
16390-20 Epidemiology reports from the world press, no. 17; JPRS 37915.  
16390-21 Helio technology, USSR, no. 2, 1966; JPRS 37750.  
16390-22 Herald of communications, nos. 6-7, 1966; JPRS 37577, 38005.  
16390-23 Index of La Stampa and La Stampa sera, nos. 330-334; JPRS 37612, 37699, 37776, 38008, 38083.  
16390-24 Index of Le Monde, no. 76; JPRS 37909.  
16390-25 Military information on Eastern Europe, nos. 142-145; JPRS 37618, 37726, 37788, 37906.  
16390-26 Political translations on Eastern Europe, nos. 229-234; JPRS 37606, 37759, 37852, 37919, 37945, 38015.  
16390-27 Press information report on Albania, nos. 184-191; JPRS 37605, 37672, 37764, 37907, 37920, 37993, 38019, 38076.  
16390-28 Press information report on Iran, no. 8; JPRS 37771.  
16390-29 Problems of information transmission, v. 2, no. 2; JPRS 37632.  
16390-30 Sociological translations on Eastern Europe, nos. 372-378; JPRS 37613, 37691, 37765, 37863, 37921, 37957, 38035.  
16390-31 Soviet military translations, nos. 323-331; JPRS 37645, 37737, 37830, 37840, 37866, 37951, 37989, 37995, 37999.  
16390-32 Soviet press materials on arms control and disarmament, no. 6; JPRS 37905.  
16390-33 Soviet public health, USSR, no. 5, 1966; JPRS 37990.  
16390-34 Summary of Bulgarian provincial press, no. 262; JPRS 37673.  
16390-35 Summary of Polish provincial press, no. 462; JPRS 37633.  
16390-36 Summary of Rumanian provincial press, nos. 357-359; JPRS 37617, 37740, 37790.  
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- 16465 37858. Proceedings of General Assembly of Bulgarian Academy of Sciences, Jan. 28 and 29, 1966. Sept. 27, 1966. [2]+44 p. 4° [From Spisanie na Bulgarskata Akademiya na Naukite, no. 1, June 1966.] Φ Paper, \$2.00 (TT: 66-34286).
- 16466 37887. Technical cybernetics, USSR: no. 3 [with bibliographies]. Sept. 28, 1966. [2]+a-c+292 p. il. 4° Φ Paper, \$6.00 (TT: 66-34315).
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- 16474 37899. Machine penetrates into secrets of brain, USSR [with bibliography]; by E. T. Holovan', et al. Sept. 29, 1966. [2]+a+80 p. il. 4° Φ Paper, \$3.00 (TT: 66-34327).
- 16475 37900. Simulation in biology and medicine, USSR [with lists of references]; by S. L. Alejev, et al. Sept. 29, 1966. [2]+a-b+159 p. il. 4° Φ Paper, \$5.00 (TT: 66-34328).
- 16476 37911. Electrovacuum materials, assortment and use, USSR [with bibliography]; by M. A. Lebedinsky. Sept. 29, 1966. [2]+a-b+35 p. 4° [From Elektrovakuumnyye materialy, metall i splavy, 1966.] Φ Paper, \$2.00 (TT: 66-34339).
- 16477 37912. Electric-pulse machining of metals and alloys, USSR [excerpts, with bibliography]; by M. A. Lyapunov, et al. Sept. 29, 1966. [2]+a-b+33 p. il. 4° [Sequel to JPRS 37118, Aug. 19, 1966.] Φ Paper, \$2.00 (TT: 66-34340).
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- 16495 37983. Region types of Alashan Desert in Inner Mongolia [with bibliography]; by T'an Chienan. Oct. 4, 1966. [2]+56 p. il. 4° [From Ti-li Chi-k'an, no. 8, Aug. 1964.] Φ Paper, \$3.00 (TT: 66-34410).
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- 16503 38039. Soviet conference on industrial drying processes; by V. L. Shevel'kov. Oct. 6, 1966. [2]+12 p. 4° [From Inzhenerno-fizicheskii zhurnal, v. 10, no. 5, May 1966.] Φ Paper, \$1.00 (TT: 66-34466).
- 16504 38065. Conference on programmed instruction held in Soviet Union; by T. Samokhvalova. Oct. 7, 1966. [2]+a+34 p. 4° [From Vestnik vysshey shkoly, no. 7, 1966.] Φ Paper, \$2.00 (TT: 66-34492).
- 16505 38066. Identification of individuals through photographs, USSR [with bibliography]; by P. P. Tsvetkov, et al. Oct. 7, 1966. [2]+a+37 p. il. 4° Φ Paper, \$1.00 (TT: 66-34493).
- 16506 38067. Change of mechanical properties of certain steels due to action of hydrogen at high temperatures and pressures, USSR [with bibliography]; by L. A. Glikman, et al. Oct. 7, 1966. [2]+23 p. il. 4° [From Metallovedeniye, no. 3, 1959.] Φ Paper, \$1.00 (TT: 66-34494).
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- 16509 38088. Present-day Catholic social doctrine vis-a-vis working class, USSR; by N. Koval'skiy. Oct. 11, 1966. [2]+7 p. 4° [From Politicheskoye samobrazovaniye, no. 7, July 1966.] Φ Paper, \$1.00 (TT: 66-34515).
- 16510 38089. 7th International Conference on Phenomena in Ionized Gases (Aug. 22-27, 1965, Belgrade, Yugoslavia); by I. R. Gekker, et al. Oct. 11, 1966. [2]+19 p. 4° [From Uspekhi fizicheskikh nauk, v. 89, no. 2, June 1966.] Φ Paper, \$1.00 (TT: 66-34516).

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- 16511 Address by Assistant Secretary George L-P Weaver before International Union of Electrical, Radio and Machine Workers, AFL-CIO Convention, Miami, Fla., Sept. 6, 1966. 10 leaves, 4° (USDL-7377; [ILAB-67-219].) † L 1.13: W 37/19
- 16512 Address by Assistant Secretary of Labor George L-P Weaver, centennial celebration, Wesley A.M.E. Zion Church, Akron, Ohio, Oct. 14, 1966. [1966.] 11 leaves, 4° † L 1.13: W 37/20
- 16513 Guidelines for research grants under Manpower development and training act of 1962 as amended. [1966.] 7+6 leaves, 4° (Manpower Administration, Office of Manpower Policy, Evaluation, and Research; DL-MT-242, Budget Bureau no. 44-R1296.1, approval expires Dec. 31, 1970.) † L 1.7/2: M 31

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- 16514 10. Unused manpower, Nation's loss; [prepared by Richard G. Seefer and Alexander A. Fourtune. Sept. 1966. cover title, v+25 p. il. 4° (Manpower Administration.)  
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- 16515 11. Manpower policy and programs in 5 western European countries: France, Great Britain, Netherlands, Sweden, and West Germany [with selected bibliography; prepared by Lewis H. Earl, John H. Linton, and Philomena M. Mullady]. July 1966. cover title, viii+59 p. il. 4° (Manpower Administration.)  
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- 16516 Neighborhood Youth Corps builds better communities through conservation. [1966.] [5] p. il. narrow 8° ([Manpower Administration.]) †  
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Bulletins. ● Item 763 L 16.3:(nos.)

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L.C. card 66-62800
- 16518 282. Report of work injuries to minors under 18 years of age, study of 18 months' experience, reported by 28 States, 1964-65; [prepared by staff of Branch of Youth Standards in Division of State Services and Standards]. [1966.] v+25 p. il. †  
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- 16520 Maritime safety data for shipyards: Gas hazards trainer. [1966.] [1]+28 p. il. 4° (MSD LS-9; OOS 5.65.) [Page 28 left blank to be used for notes.] †  
L 16.47/2: G 21/2
- 16521 — Ladders and other means of access used in shipyards. [1966.] 16 p. il. 4° (MSD LS-20; OOS 3.66.) [Page 16 left blank to be used for notes.] †  
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- 16522 — Shipyards fire and explosion hazards. [1966.] 4 p. 4° (MSD LS-36; OOS 8.65.) †  
L 16.47/2: F 51
- 16523 — Temporary lights for flammable atmospheres and for general use. [June 1964.] 13 p. il. 4° †  
L 16.47/2: F 61/2
- 16524 — Temporary, portable, shipboard ventilation for control of flammable atmospheres in ship repairing, shipbuilding, and shipbreaking. [Jan. 1965.] 11 p. il. 4° ([LS-358.]) [Pages 10 and 11 left blank to be used for notes.] †  
L 16.47/2: F 61/3
- 16525 — Wheatstone bridge type of combustible gas indicator. [Oct. 1964.] 19 p. il. 4° ([LS-277.]) †  
L 16.47/2: G 21/3
- 16526 Safety and health regulations for longshoring. June 1966. cover title, 40 p. [Amendments to these regulations published in Federal register through May 21, 1966 are included in this pamphlet.] † ● Item 766-D  
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BLS reports. L 2.71:(nos.)

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- 16528 311. Labor developments in U.S.S.R. [with bibliography; by Edmund Nash]. [Sept. 1966.] cover title, i+45 p. 4° ([Division of Foreign Labor Conditions.]) †  
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- 16538 Bureau of Labor Statistics, catalog of publications, periodicals, bulletins, reports & releases, Jan.-June 1966. [1966.] cover title, i+35 p. 4° [Text and map on p. 2 and 3 of cover.] † ● Item 768-E  
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- 16540 Government services, urgent need for talent. [1966.] 4 p. il. 4° [Reprint from Occupational outlook quarterly, v. 10, no. 3, Sept. 1966.] \* Paper, 5c. L 2.70/4a: G 746/2
- 16541 Occupational earnings and wage trends in metropolitan areas, 1965-66, summary release no. 3 of 3 (28 areas). Sept. 1966. 10 p. 4° †  
L 2.86: 965-66/no. 3
- 16542 Your job as repairman or mechanic. [1966.] [8] p. il. narrow 8° [Prepared in cooperation with Education Office, Health, Education, and Welfare Dept. Includes list of reprints from 1966-67 Occupational outlook handbook.] † L 2.2: R 29/3/966

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- 16549 66-13. Unit of purpose, by James W. Gulick, Acting Maritime Administrator, Department of Commerce, statement at panel on Commercial value and necessity for merchant marine, at American Merchant Marine Conference, Washington, D.C., Oct. 4, 1966. [1966.] 8 p. 4° †  
C 39.210/2: 66-13  
16550 Merchant fleets of world, seagoing steam and motor ships of 1,000 gross tons and over, as of Dec. 31, 1965; [prepared by Office of Maritime Promotion]. [July 14, 1966.] 20 p. 4° ([Report MAR-560-20.]) \* Paper, 15c. ● Item 236-B  
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16551 U.S. Merchant Marine medals and decorations. [1966.] [2] p. il. oblong 16°, folded into narrow 16° size. † ● Item 235 C 39.202: M 46

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- 16552 Apparent consumption of industrial explosives and blasting agents in United States, 1965; [prepared by Gwendolyn M. Watts, Nell B. Bradley, and Nina L. Jones. [Sept. 1966.] 11 p. 4° (Mineral industry surveys; Explosives, annual.) † Mines Bureau, Pittsburgh, Pa. 15213.  
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16553 Barite; by Donald E. Ellertsen. [1966.] [2]+7 p. [Preprint from Minerals yearbook, 1965.] \* Paper, 10c. I 28.37/a: B 239/965  
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16560 8311. Thermal-recovery project and 2 waterflood projects in Carter, Garvin, and Stephens Counties, Okla., 1966; by Kenneth H. Johnston and Kenneth R. Baskett. [1966.] [2]+ii+32 p. il. 4° [Based on work done in cooperation with Oklahoma Corporation Commission, Okla.] † Mines Bureau, Pittsburgh, Pa. 15213

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- 16588 Minutes of 145th meeting, Scottsbluff, Nebr., June 21–23, 1966; [prepared by Allen L. Fisk]. [1966.] cover title, [143] p. il. 4° †  
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- 16678 D-3612. Wind-tunnel investigation of thermal and pressure environments in base of Saturn S-1C booster from Mach 0.1 to 3.5 [with list of references]; by Robert A. Wasko. Sept. 1966. cover title, [1]+19 p. il. 4°  $\Phi$  Paper, \$1.00.
- 16679 D-3613. Weak locally homogeneous turbulence in idealized flow through cone [with list of references]; by Robert G. Deissler. Sept. 1966. cover title, [1]+27 p. il. 4°  $\Phi$  Paper, \$2.00.
- 16680 D-3616. Statistical data compression technique [with list of references]; by James W. Snively, r. Oct. 1966. cover title, iii+28 p. il. 4°  $\Phi$  Paper, \$2.00.  
L.C. card 66-62744
- 16681 D-3617. New design approach for wide-range temperature monitoring and compensating networks in scientific satellites [with list of references]; by Warren R. Crockett. Oct. 1966. cover title, iii+16 p. il. 4°  $\Phi$  Paper, \$1.00.
- 16682 D-3618. Investigation of spray velocity resulting from high-velocity penetration of thin plates by disks [with list of references]; by John D. Di Battista. Sept. 1966. cover title, [1]+29 p. il. 4°  $\Phi$  Paper, \$2.00.
- 16683 D-3620. Apollo afterbody heat transfer and pressure with and without ablation at  $M_\infty$  of 5.8 to 8.3 [with list of references]; by George Lee and Robert E. Sundell. Sept. 1966. cover title, [1]+44 p. il. 4°  $\Phi$  Paper, \$2.00.
- 16684 D-3621. Large-scale wind-tunnel tests of low-aspect-delta-winged model equipped with sharp-edged strakes [with list of references]; by Victor R. Corsiglia and David G. Koenig. Sept. 1966. cover title, [1]+51 p. il. 4°  $\Phi$  Paper, \$2.50.

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- 16685 D-3622. Prediction of inversion load of circular tube [with list of references]; by LeRoy R. Guist and Donald P. Marble. Sept. 1966. cover title, [1]+19 p. il. 4°  $\Phi$  Paper, \$1.00.
- 16686 D-3623. Interplanetary midcourse guidance using radar tracking and on-board observation data [with list of references]; by Luigi S. Ciccolani. Sept. 1966. cover title, [1]+ii+47 p. il. 4°  $\Phi$  Paper, \$2.00.
- 16687 D-3624. Evaluation of new method of integrating orbital equations of motion for use in space navigation [with list of references]; by John D. McLean. Sept. 1966. cover title, [3]+57 p. il. 4°  $\Phi$  Paper, \$2.50.
- 16688 D-3627. Effect of projectile size and material on impact fracture of walls of liquid-filled tanks [with list of references]; by C. Robert Morse and Francis S. Stepka. Sept. 1966. cover title, [1]+14 p. il. 4°  $\Phi$  Paper, \$1.00.
- 16689 D-3631. Determination of temperature and material effects on high-velocity impact craters in ablative heat-shield materials [with list of references]; by Paul E. Tippens and John R. Davidson. Sept. 1966. cover title, [1]+18 p. il. 4°  $\Phi$  Paper, \$1.00.
- 16690 D-3633. Aerodynamic characteristics of tension shell shapes at Mach 3.0 [with list of references]; by William D. Deveikis and James Wayne Sawyer. Oct. 1966. cover title, [1]+50 p. il. 4°  $\Phi$  Paper, \$2.00.
- 16691 D-3634. Effect of wing leading-edge shape on aerodynamic characteristics of 67° swept wing-body model at Mach 1.50 to 4.63 [with list of references]; by Robert G. Kyle and Maurice O. Feryn. Oct. 1966. cover title, [1]+22 p. il. 4°  $\Phi$  Paper, \$1.00.
- 16692 D-3636. Transfer function analysis of fluid contained in longitudinally excited thin-wall cylindrical tank [with list of references]; by Carl F. Lorenzo. Sept. 1966. cover title, [1]+22 p. il. 4°  $\Phi$  Paper, \$1.00.
- 16693 D-3638. Preliminary observations of enhancement of superconducting current-carrying capacity in niobium through hydrogen treatment [with list of references]; by Robert J. Smith, Donald E. Hegland, and Patricia R. Kendziorski. Sept. 1966. cover title, [1]+10 p. il. 4°  $\Phi$  Paper, \$1.00.
- 16694 D-3639. Experimental and theoretical results for buckling of eccentrically stiffened cylinders [with list of references]; by Michael F. Card and Robert M. Jones. Oct. 1966. cover title, [1]+23 p. il. 4°  $\Phi$  Paper, \$1.00.
- 16695 D-3641. Calculations of energy and angular distributions of electrons ejected from helium by 200- and 300-keV protons [with list of references]; by William J. B. Oldham, jr. Oct. 1966. cover title, ii+19 p. il. 4°  $\Phi$  Paper, \$1.00.
- 16696 D-3643. On use of Euler's theorem on rotations for synthesis of attitude control systems [with list of references]; by George Meyer. Sept. 1966. cover title, [1]+i+30 p. il. 4°  $\Phi$  Paper, \$2.00.
- 16697 D-3644. Heat-transfer and pressure distributions on 60° and 70° swept delta wings having turbulent boundary layers [with list of references]; by William M. Murray, jr., and Robert L. Stallings, jr. Oct. 1966. cover title, [1]+74 p. il. 4°  $\Phi$  Paper, \$2.50.
- 16698 D-3645. Comparison of 1- and 2-dimensional heat-transfer calculations in central fin-tube radiators [with list of references]; by Norbert O. Stockman, Edward C. Bittner, and Earl L. Sprague. Sept. 1966. cover title, [1]+29 p. il. 4°  $\Phi$  Paper, \$2.00.
- 16699 D-3648. Absolute photon yields of light elements by deuteron bombardment [with list of references]; by Anthony J. Caruso and Robert A. Walter. Oct. 1966. cover title, iii+11 p. il. 4°  $\Phi$  Paper, \$1.00.
- 16700 D-3650. Feasibility study of secondary emission electron microscopy for examining materials containing dispersed oxide particles [with list of references]; by L. Fredrick Norris and Walter S. Cremens. Oct. 1966. cover title, [3]+48 p. il. 4°  $\Phi$  Paper, \$2.00. L.C. card 66-62910
- 16701 D-3651. Design of fluid jet amplifier with reduced receiver-interaction-region coupling [with list of references]; by William S. Griffin. Oct. 1966. cover title, [1]+27 p. il. 4°  $\Phi$  Paper, \$2.00.
- 16702 D-3656. High-energy ion beams used to accelerate hydrogen propellant along magnetic tube of flux [with list of references]; by Gerald W. Englert. Oct. 1966. cover title, [2]+49 p. il. 4°  $\Phi$  Paper, \$2.00.
- 16703 D-3657. Experimental investigation of charging submicron carbon powder for colloidal particle thrusters [with list of references]; by Ronald J. J. Schertler and Carl T. Norgren. Oct. 1966. cover title, [1]+18 p. il. 4°  $\Phi$  Paper, \$1.00.
- 16704 D-3659. Differential games and manual control [with list of references]; by Sheldon Baron. Oct. 1966. cover title, iii+15 p. il. 4°  $\Phi$  Paper, \$1.00.
- 16705 D-3661. Preliminary analytical investigation of booster recovery by use of hot-air balloon for both deceleration and final recovery [with list of references]; by Stanley H. Scher, James C. Dunavant, and Irene G. Young. Oct. 1966. cover title, [1]+41 p. il. 4°  $\Phi$  Paper, \$2.00.
- 16706 D-3664. Ignition kinetics of carbon monoxide-oxygen reaction [with list of references]; by Richard S. Brokaw. Oct. 1966. cover title, [1]+20 p. il. 4° [Presented at 11th Symposium (International) on Combustion, Berkeley, Calif., Aug. 14-20, 1966.]  $\Phi$  Paper, \$1.00.
- 16707 D-3672. Buoyancy effects on critical heat flux of forced convective boiling in vertical flow [with list of references]; by S. Stephen Papell, Robert J. Simoneau, and Dwight D. Brown. Oct. 1966. cover title, [1]+17 p. il. 4°  $\Phi$  Paper, \$1.00.

# GOVERNMENT PUBLICATIONS

## NASA technical report R (series).

NAS 1.12: (nos.)

- 16708 248. New one-step integration methods of high-order accuracy applied to some problems in celestial mechanics [with list of references]; by Erwin Fehlberg. Oct. 1966. cover title, iii+46 p. il. 4°  $\Phi$  Paper, \$2.00.
- 16709 249. Study of damping in nonlinear oscillations [with list of references]; by Maurice L. Rasmussen and Donn B. Kirk. Oct. 1966. cover title, [1]+i+51 p. il. 4°  $\Phi$  Paper, \$2.50.

## NASA technical translation TT (series).

- 16710 F-393. First panoramic views of lunar surface. Oct. 1966. cover title, v+125 p. il. 4° [From Izdatel'stvo Nauka, Moscow, 1966.]  $\Phi$  Paper, \$3.00.  
NAS 1.13/2: F-393
- 16711 Project Gemini. [1966.] cover title, 52 p. il. 4° [Illustration on p. 4 of cover is colored.] \* Paper, 45c.  $\bullet$  Item 830-C NAS 1.2: G 28
- 16712 Space science and applications program. Dec. 1965 edition. [1966.] cover title, [3]+xi+[210] p. 4° (NHB 8030.2.) [Supersedes Nov. 1964 edition.]  $\ddagger$   $\bullet$  Item 830-P  
L.C. card 66-62585 NAS 1.33: 965

## NATIONAL BUREAU OF STANDARDS, Commerce Dept. Washington, D.C. 20235

Journal of research of National Bureau of Standards [with lists of references]; v. 69, Jan.-Dec. 1965.

- 16713 sec. C. Engineering and instrumentation, papers 69C1-178 to C69C4-213. [1966.] iv+342 p. il. 4° \* Cloth, \$3.75.  
L.C. card 62-3900 C 13.22/2: 69C

## Miscellaneous publication. $\bullet$ Item 247

- 16714 260-14. Standard reference materials: Determination of oxygen in ferrous materials SRM 1090, 1091, and 1092 [with list of references; by] Oscar Menis and J. T. Sterling. Sept. 23, 1966. vii+28+[1] p. il. 4° \* Paper, 30c.  
L.C. card 66-61928 C 13.10: 260-14

## Technical notes. $\bullet$ Item 249-A

C 13.46: (nos.)

- 16715 246. Survey of some empirical and semi-empirical interatomic and intermolecular potentials [with list of references; by Benjamin M. Axilrod. Oct. 3, 1966. iv+52 p. il. 4° (Heat Division, Statistical Physics Section, Institute for Basic Standards.) \* Paper, 40c.
- 16716 293. Research on crystal growth and characterization at National Bureau of Standards, June 1966 [with list of papers and talks]; edited by Harry C. Allen, jr. Aug. 26, 1966. [1]+20 p. 4° \* Paper, 25c.  
L.C. card 63-65195
- 16717 400. Electrochemical analysis: Studies of acids, bases, and salts by emf, conductance, optical, and kinetic methods, July 1965-June 1966 [with bibliographies]; edited by Roger G. Bates. Sept. 6, 1966. xi+96 p. il. 4° [2d annual progress report of Electrochemical Analysis Section, Analytical Chemical Division.] \* Paper, 55c.
- 16718 401. Activities of NBS Spectrochemical Analysis Section, July 1965-June 1966 [with list of references]; edited by Bourdon F. Scribner. Sept. 30, 1966. xii+96 p. il. 4° (Spectrochemical Analysis Section, Analytical Chemistry Division, Institute for Materials Research.) \* Paper, 55c.
- 16719 403. Microchemical Analysis Section, summary of activities July 1965-June 1966 [with list of references]; edited by John K. Taylor. Sept. 1, 1966. x+79+[3] p. il. 4° (Microchemical Analysis Section, Analytical Chemistry Division, Institute for Materials Research.) [The last 3 pages are left blank for notes.] \* Paper, 50c.
- 16720 410. Improved Fortran program for single particle energy levels and wave functions in nuclear structure calculations [with list of references; by] Randall S. Caswell. Sept. 30, 1966. ii+28+[2] p. il. 4° \* Paper, 25c.

## NATIONAL COMMISSION ON FOOD MARKETING Washington, D.C. 20407

NOTE.—The National Commission on Food Marketing was established by Public law 88-354, approved July 3, 1964.

- 16721 Supplemental appendix to Technical study no. 1 [Organization and competition in livestock and meat industry] and Technical study no. 2 [Organization and competition in poultry and egg industries]. June 1966. [140] p. il. 4°  $\ddagger$   $\bullet$  Item 1070-G Y 3.N 21/22: 9/1, 2/app.

## Technical studies. $\bullet$ Item 1070-G

Y 3.21/22: 9/ (nos.)

- 16722 1. Organization and competition in livestock and meat industry, supp. 3, Economics of scale in cattle feeding [with list of literature cited; by Samuel H. Logan]. June 1966. [3]+26+[1] p. 4°  $\ddagger$   
L.C. card 66-62566

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- 16723 Same: supp. 4, Labor cost of slaughtering hogs [with list of literature cited; by Samuel H. Logan]. June 1966. [3]+19 p. 4° †  
L.C. card 66-62566
- 16724 2. Organization and competition in poultry and egg industries. June 1966. v +118 p. il. \* Paper, 40c.  
L.C. card 66-62663
- 16725 3. Organization and competition in dairy industry. June 1966. v+[1]+409 p. il. \* Paper, \$1.25.  
L.C. card 66-62794
- 16726 Same: supp. 1, Cheese production in United States; [by Truman F. Graf]. June 1966. [3]+78 p. 4° †  
L.C. card 66-62794
- 16727 4. [Organization and competition in fruit and vegetable industry], supp. 1, Import competition in fruits and vegetables; [prepared by Barry C. Fields]. June 1966. [3] leaves+108 p. il. 4° †  
L.C. card 66-62567
- 16728 Same: supp. 2, Study of selected Government services used by shippers and receivers of fresh fruit and vegetables. June 1966. [3] leaves+1-Sa, 9-156 p. 4° [Page 127 has been omitted, but no text is missing.] †  
L.C. card 66-62567
- 16729 5. Organization and competition in milling and baking industries. June 1966. iv+167 p. il. \* Paper, 50c.  
L.C. card 66-62459
- 16730 7. Organization and competition in food retailing, supp. 1, Excerpts from Super Market Institute figure exchange reports, 1954-64. June 1966. cover title, [302] p. il. 4° [Publication reads Technical report 7. Issued with marginal index tabs on cardboard showing years.] †  
L.C. card 66-62507
- 16731 8. Structure of food manufacturing, report; by [Russell C. Parker and other members of] staff of Federal Trade Commission. June 1966. vii+292 p. il. \* Paper, \$1.00.  
L.C. card 66-62793
- 16732 9. Cost components of farm-retail price spreads for foods [with lists of references]. June 1966. v+55 p. \* Paper, 25c.
- 16733 10. [Special studies in food marketing], supp. 1, Frequency use of private labels by distributors, 212 foods. June 1966. [215] p. 4° †

## NATIONAL LABOR RELATIONS BOARD

Washington, D.C. 20570

- 16734 Decisions and orders of National Labor Relations Board, v. 153, June 17-July 23, 1965. 1966. xvi+1608 p. \* Cloth, \$5.25. ● Item 826  
L.C. card 37-26136 LR 1.8: 153

## NATIONAL MUSEUM, Smithsonian Institution

Washington, D.C. 20560

- 16735 Proceedings of National Museum [title page, contents, and index to] v. 117, nos. 3508-3521. 1966. v+681-710 p. † ● Item 922  
SI 3.6: 117/t.p.& cont.

## NATIONAL PARK SERVICE, Interior Dept.

Washington, D.C. 20242

- 16736 Fishing in National park system. [1966.] cover title, [16] p. il. narrow 8° [Map on p. 3 of cover.] \* Paper, 10c. ● Item 648 I 29.2: F 53/3
- 16737 Scott's Bluff National Monument, Nebr. [Revised 1966.] [1966.] [10] p. il. narrow 8° † I 29.21: Sco 87/3/966
- 16738 Visitor accommodations furnished by concessioners in areas administered by National Park Service. Feb. 1966. cover title, [19] p. il. † I 29.70: 966

## NATIONAL RAILROAD ADJUSTMENT BOARD

Washington, D.C. 20572

- 16739 Awards of 2d division, National Railroad Adjustment Board, with index, v. 44, Sept. 4-Dec. 20, 1963, awards 4291-4370 inclusive, interpretation 57. Keenan Printing Company, Chicago, Ill. [1966.] v+1007 p. † National Railroad Adjustment Board, Chicago, Ill. (Price upon application).  
L.C. card 37-26860 RA 1.8: 44

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# GOVERNMENT PUBLICATIONS

## NATIONAL SCIENCE FOUNDATION Washington, D.C. 20550

- 16740 Basic research, applied research, and development in industry, 1963, final report on survey of R&D funds, 1963, and R&D Scientists and Engineers. Jan. 1964; [prepared by George C. Nichols and others]. [1966.] viii+[1]+185 p. il. 4° (Surveys of science resources series; NSF 66-15.) [Prepared in cooperation with Census Bureau, Commerce Dept.] \* Paper, \$1.00. ● Item S34-T  
L.C. card 66-62755 NS 1.22: In 2/963
- 16741 Current projects on economic and social implications of science and technology, 1965; [compiled by Suzanne Snowden]. [1966.] v+187 p. (NSF 66-21.) \* Paper, 65c. ● Item S34-V  
L.C. card 66-62763 NS 1.23: 965
- 16742 Weather and climate modification, report of Special Commission on Weather Modification. [1966.] vi+149 p. oblong 12° ([NSF 66-3.]) †  
L.C. card 66-60715 NS 1.2: W 37/2
- 16743 Weather modification, law, controls, operations, survey of responses to questionnaires of Special Commission on Weather Modification of National Science Foundation by States, research and experimental organizations, commercial operators, and Federal agencies; prepared by Howard J. Taubenfeld. [1966.] v+73 p. oblong 8° ([NSF 66-7.]) [Report to Special Commission on Weather Modification.] †  
L.C. card 66-62768 NS 1.2: W 37

## NAVAL OCEANOGRAPHIC OFFICE, Defense Dept. Washington, D.C. 20390

- Publications. ● Item 378 (Rev. 1957) D 203.22:(nos.)
- 16744 62. Change 4, July 16, 1966, looseleaf change pages for correcting Sailing directions for Persian Gulf, 5th edition, 1960. [1966.] [73] p. il. 4° [Formerly 158. Includes list of effective pages.] † Paper, 35c.
- 16745 80. Change 9, June 18, 1966, loose leaf change pages for correcting Sailing directions for Pacific Islands, v. 3, 6th edition, 1952. [1966.] [211] p. il. 4° [Formerly no. 166. Includes list of effective pages.] † Paper, 35c.
- 16746 114. Change 10, Aug. 6, 1966, to list of lights and fog signals, British Isles, English Channel and North Sea, 1966. [65] p. 4° [Includes list of effective pages and Notice to mariners 32, 1966. Issued in looseleaf form.] † Paper, 50c.
- 16747 116. Change 11, List of lights and fog signals; Baltic Sea with Kattegat, belts and sound and Gulf of Bothnia; June 25, 1966. 1966. [112] p. 4° [Includes list of effective pages and Notice to mariners 26, 1966. Issued in looseleaf form.] † Paper, 50c.  
L.C. card 7-24405 rev. 2
- 16748 119. Weather station index; July 16, 1966. 5th edition. 1966. vi+[127] p. il. 4° [Includes Notice to mariners 29, 1966.] † Paper, 50c.  
L.C. card 63-62204

## NAVAL OPERATIONS OFFICE, Defense Dept. Washington, D.C. 20350

- 16749 United States Navy, keeping the peace. [1966.] [2]+48+[2] p. il. (Naval History Division.) \* Paper, 30c. ● Item 399-A  
L.C. card 66-61705 D 207.10/2: P 31

## NAVAL PERSONNEL BUREAU, Defense Dept. Washington, D.C. 20390

- 16750 Guide for professional reading for officers of Navy and Marine Corps; compiled by Naval War College, Newport, R.I. 17th edition. [1966.] [2]+ii+14 p. 4° (NAVPERS 92356F.) [Issued with perforations.] † ● Item 401-A  
L.C. card 61-61559 D 208.15: 94/966

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- 16751 Navigation compendium; [prepared by Training Publications Division of Naval Personnel Program Support Activity]. 1966. cover title, iii leaves+126 p. il. 4° (NAVPERS 10494.) [Some illustrations are colored.] \* Paper, \$1.50. ● Item 404  
L.C. card 66-62770 D 208.11/2: N 22/3
- 16752 United States Navy occupational handbook, manual for civilian guidance counselors, schools and libraries, also employment and youth agencies. 5th edition. [1966.] [144] p. large 8° ([RAD 66102.]) [Text on p. 2 of cover.] † ● Item 403-A D 208.6/3: Oc 1/1966

NAVAL RESEARCH OFFICE, Defense Dept.  
Washington, D.C. 20390

ACR (series). ● Item 407-D

- 16753 ACR-112. 5th symposium on naval hydrodynamics, ship motions and drag reduction, sponsored by Office of Naval Research and Skipsmodell-tanken, Sept. 10-12, 1964, Bergen, Norway [with lists of references: J. K. Lunde and Stanley W. Doroff, editors]. [1966.] xvi+1154 p. il. \* Cloth, \$7.25. D 210.15: ACR-112

NRL reports. (Naval Research Laboratory.)

D 210.8: (nos.)

- 16754 6266. Scaling underwater exploding wires [with list of references; by] J. R. McGrath. Dec. 17, 1965. cover title, i+28+[4] p. il. 4° ([NRL problem E01-01, ONR problem RR 010-04-41-5950, BuShips SR 007-12-01-0800.]) Φ Paper, \$2.00 (AD 633115).
- 16755 6318. Surface chemistry of proteins and polypeptides [with list of references; by] G. I. Loeb. Nov. 30, 1965. cover title, iii+78+[4] p. il. 4° ([NRL problem C02-18A, RUDC-4B000/652-1/F101-99-01.]) [Contains copy-right material.] Φ Paper, \$3.00 (AD 632104).
- 16756 6368. Factors affecting surface-chemical displacement of bulk water from solid surfaces [with list of references; by] H. R. Baker, C. R. Singletary, and W. A. Zisman. Feb. 24, 1966. cover title, i+12+[4] p. il. 4° ([NRL problem C02-12, project RR 001-01-43-4752.]) Φ Paper, \$1.00 (AD 632084).
- 16757 6374. Extent of radioactive equilibrium between radon and its short-lived daughter products in atmosphere [with list of references; by] L. B. Lockhart, jr., and R. L. Patterson, jr. Apr. 5, 1966. cover title, i+18+[4] p. il. 4° ([NRL problem A02-13, project RR 004-02-42-5151 and AEC AT 49-7(2435).]) Φ Paper, \$1.00 (AD 633116).
- 16758 6379. Linear class B audio amplifier output-power capability, analysis of load-impedance and waveform effects; [by] W. M. Lawson, jr. Apr. 13, 1966. cover title, ii+18+[4] p. il. 4° ([NRL problem S02-10, BuShips SF 101-03-18-8134, ONR RF 101-03-44-4062.]) Φ Paper, \$1.00 (AD 633117).
- 16759 6383. Thermal degradation processes in polysiloxanes and thermal stabilization by cerium inhibitor [with list of references; by] C. M. Murphy, H. Ravner, and R. E. Kagarise. Apr. 6, 1966. cover title, ii+24+[4] p. il. 4° ([NRL problems C02-01, C02-02, and C07-01, project RAP 41R-C01/652-1/F012-03-05-41002, RR 007-08-44-5500, RR 001-01-43-4803.]) Φ Paper, \$1.00 (AD 63368).
- 16760 6384. Numerical analysis of Pierce-type electron guns [with list of references; by] R. T. Close. Apr. 4, 1966. cover title, ii+18+[4] p. il. 4° (Sozotron report 1; [NRL problem H01-28, project RR 002-01-41-4904.]) Φ Paper, \$1.00 (AD 632468).
- 16761 6385. Optical calibration analysis of U.S. naval space surveillance system [with list of references; by] L. O. Hayden and T. B. McCaskill. Apr. 25, 1966. cover title, ii+34+[4] p. il. 4° ([NRL problem R02-35, project RT 8801-001/6521/S434-00-01.]) Φ Paper, \$2.00 (AD 633701).
- 16762 6386. Aerodynamic model for low altitude rocket exhaust plume [with list of references; by] Richard Shaolin Lee and W. W. Balwanz. Apr. 25, 1966. cover title, ii+26+[4] p. il. 4° ([NRL problem R07-07, project RF 008-04-41-4503.]) Φ (Price upon application, AD 482690).
- 16763 6387. Investigation of intergranular corrosion of lead-antimony grid alloys [with list of references; by] A. C. Simon. Apr. 7, 1966. cover title, ii+26+[4] p. il. 4° ([NRL problem C05-14, projects SF 013-06-06, task 4366, and RR 001-01-43-4755.]) Φ Paper, \$2.00 (AD 633078).
- 16764 6388. Interaction of carbon dioxide with hydrogen chemisorbed on platinum electrode [with list of references; by] B. J. Piersma, T. B. Warner, and S. Schuldiner. Apr. 26, 1966. cover title, ii+14 p.+[2] leaves, il. 4° ([NRL problems C05-06 and C05-03, projects RR 007-12-01-0809, and RR 001-01-43-4754.]) Φ Paper, \$1.00 (AD 633686).
- 16765 6389. Transistorized digital clock with serial binary-coded readout; [by] L. O. Hayden. May 10, 1966. cover title, ii+18+[4] p. il. 4° ([NRL problem R02-35, RT 8801-001/6521/S434-00-01.]) Φ Paper, \$1.00 (AD 633695).
- 16766 6392. Infrared spectra of plastics and resins, pt. 2: Materials developed since 1954 [with list of references; by] Suzanne S. Stimler and R. E. Kagarise. May 23, 1966. cover title, i+36+[4] p. il. 4° Φ Paper, \$2.00 (AD 634427).

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## NRL reports—Continued

- 16767 6398. Characterization of particulate matter in ocean [with list of references; by] L. S. Birks [and others]. Mar. 18, 1966. cover title, ii+18+[4] p. il. 4° ([NRL problem P04-04, project RR 002-02-41-4951.])  $\Phi$  Paper, \$1.00 (AD 631146).
- 16768 6402. Solution systems for displacing of organic liquids from solid surfaces [with list of references; by] Marianne K. Bennett and W. A. Zisman. May 25, 1966. cover title, i+14+[4] p. 4° ([NRL problems C02-10 and C02-15, projects RR 001-01-43-4751, SR 007-08-04, task 0617.])  $\Phi$  Paper, \$1.00 (AD 634425).
- 16769 6405. Metallurgical characteristics of high strength structural materials (9th quarterly report) [with list of references; by] R. J. Goode [and others]. Nov. 1965. cover title, iii+100+[4] p. il. 4°  $\Phi$  Paper, \$4.00 (AD 634094).
- 16770 6410. Electrodynamics of superconducting parallel path circuit [with selected bibliography; by] E. E. King. May 9, 1966. cover title, vi+72+[4] p. il. 4° ([NRL problem E02-02, project RR 010-01-44-5601.])  $\Phi$  Paper, \$3.00 (AD 633685).
- 16771 6414. Magnetic torque of ideal superconducting toroids [with list of references; by] E. E. King. Aug. 9, 1966. cover title, 6 p.+[2] leaves, il. 4° ([NRL problem E02-02, project RR 010-01-44-5601.])  $\ddagger$

## NAVY DEPARTMENT, Defense Dept. Washington, D.C. 20350

- 16772 Guide to forms management; Mar. 29, 1966. Reprinted July 1966. cover title, [1]+iii+101 p. il. 4° (AOINST 5213.31; Administrative Office.) [Includes Change 1. Issued in looseleaf form.] \* Paper, \$1.00.  $\bullet$  Item 370-A D 201.6/12: F 76/966

## OUTDOOR RECREATION BUREAU, Interior Dept. Washington, D.C. 20240

- 16773 Dilemma of America, remarks of Edward C. Crafts, Director, Bureau of Outdoor Recreation, Department of Interior, before Nevada Governor's Conference on Natural Beauty and Outdoor Recreation, Las Vegas, Nev., Sept. 21, 1966. [1966.] 11 leaves, 4°  $\ddagger$  I 66.9: C 84/26
- 16774 Federal focal point in outdoor recreation. [1966.] [+]+iv+76 p. il. 16° \* Paper, 35c.  $\bullet$  Item 657-B-1 L.C. card 66-62799 I 66.2: Ou 8/966

## POST OFFICE DEPARTMENT Washington, D.C. 20260

- 16775 Address by Postmaster General Lawrence F. O'Brien at dedication of Sacramento Post Office, Sacramento, Calif., Oct. 10, 1966. 1966. 7 leaves, 4° (Information Service, General release 133.)  $\ddagger$  P 1.27: Ob 6/18
- 16776 Address by Postmaster General, Lawrence F. O'Brien at dedication of self-service postal unit, Springfield, Mass., Oct. 5, 1966. 4 leaves, 4° (Information Service, General release 128.)  $\ddagger$  P 1.27: Ob 6/17
- 16777 Address by Postmaster General Lawrence F. O'Brien at national convention of National Association of Postmasters of United States, Louisville, Ky., Sept. 29, 1966. 1966. 10 p. 4° (Information Service, General release 120.)  $\ddagger$  P 1.27: Ob 6/15
- 16778 Address by Postmaster General Lawrence F. O'Brien at swearing-in ceremony of Henry W. McGee as Acting Postmaster, Chicago, Ill., Sept. 26, 1966. 1966. 3 leaves, 4° (Information Service; General release 119.)  $\ddagger$  P 1.27: Ob 6/14
- 16779 Agreement between Post Office Department and National Association of Letter Carriers AFL-CIO, National Association of Post Office and General Services Maintenance Employees, National Association of Post Office Mail Handlers, Watchmen, Messengers, and Group Leaders AFL-CIO, National Association of Special Delivery Messengers AFL-CIO, National Federation of Post Office Motor Vehicle Employees AFL-CIO, National Rural Letter Carriers Association, United Federation of Postal Clerks AFL-CIO, Sept. 24, 1966-Oct. 31, 1967. [1966.] cover title, 138 p. 16° (POD publication 53.) \* Paper, 40c.  $\bullet$  Item 837 P 1.2: P 84/31/966-67

\*For Sale by Superintendent of Documents  
 $\ddagger$ Distribution Made by Issuing Office  
 $\ddagger$ Official Use. Not Available



# NOVEMBER 1966

- 16780 [Commemorative stamp poster]: 5-cent Christmas postage stamp available at your local post office Nov. 2, 1966. 1966. 10.5 x 8 in. P 1.26/2: C 46/966
- 16781 — 5-cent Great River Road commemorative postage stamp available at your local post office Oct. 22, 1966. 1966. 10.5 x 8 in. P 1.26/2: G 79
- 16782 — 5-cent Mary Cassatt American painting commemorative postage stamp available at your local post office Nov. 18, 1966. 1966. 10.5 x 8 in. P 1.26/2: C 27
- 16783 — 5-cent servicemen-savings bonds commemorative postage stamp available at your local post office Oct. 27, 1966. 1966. 10.5 x 8 in. P 1.26/2: Se 6
- NOTE.—Commemorative stamp posters, which will be issued irregularly, are available on a subscription basis from the Superintendent of Documents, \$1.50 a yr.; 50c. additional for foreign mailing.
- 16784 Remarks by Postmaster General Lawrence F. O'Brien at 1st day ceremony for Beautification of America Stamp, White House, Washington, D.C.. Oct. 5, 1966. 1966. 3 leaves, 4° (Information Service, General release 127.) † P 1.27: Ob 6/16

## PUBLIC DOCUMENTS DIVISION, Government Printing Office Washington, D.C. 20402

Price list PL (series). † ● Item 554 GP 3.9: (nos.)

- 16785 21. Fish and wildlife; Aug. 1966. 51st edition. [1966.] [2]+8 p. L.C. card 26-26235 rev. 2
- 16786 33. Labor; Aug. 1956. 45th edition. [1966.] [2]+28 p. il. L.C. card 26-26497 rev.
- 16787 55. Indians, Smithsonian Institution, Fine Arts Commission, archeology, and ethnology; Aug. 1966. 39th edition. [1966.] [2]+8 p. L.C. card 25-27429 rev. 2
- 16788 82. Radio and electricity, electronics, radar, and communications; Aug. 1966. 15th edition. [1966.] [2]+17 p. L.C. card 51-60607 rev. 2
- 16789 85. Defense, veterans' affairs; Aug. 1966. 9th edition. [1966.] [2]+25 p. L.C. card 55-63660

## PUBLIC HEALTH SERVICE, Health, Education, and Welfare Dept. Washington, D.C. 20201

- 16790 Aspects of Community mental health centers act [with list of references], by Alfred M. Freedman, professor of psychiatry and chairman of department, New York Medical College, Metropolitan Hospital Center, New York, N.Y., delivered to Department of Psychiatry, University of Warsaw, College of Medicine at Klinika Psychiaryczna A. M. Pruszkow K/Warszawy, Poland, July 26, 1965. [1966.] iv+22 p. narrow 8° ([National Institute of Mental Health, National Institutes of Health.]) † ● Item 507-A-17 FS 2.22/58: F 87
- 16791 Community mental health, individual adjustment or social planning, symposium, 9th Inter-American Congress of Psychology, Dec. 18, 1964, Miami, Fla. [articles, with bibliographies]. [1966.] [9]+82 p. 4° ([Publication 1504; National Institute of Mental Health, National Clearinghouse for Mental Health Information.]) \* Paper, 50c. ● Item 507 L.C. card 66-62745 FS 2.22: M 52/61
- 16792 Control your weight. [May 1966.] [4] p. il. narrow 12° ([Publication 1481; Division of Chronic Diseases, Diabetes and Arthritis Program.]) † ● Item 485 FS 2.2: W 42/2
- 16793 Directory of State and territorial health authorities, 1966. [1966 revision.] [1966.] v+106 p. ([Publication 75]; Bureau of State Services (Community Health), Office of Grants Management.) \* Paper, 45c. ● Item 483-B L.C. card 24-26996 FS 2.77/2: 966

‡For Sale by Clearinghouse, U.S. Department of  
Commerce, Springfield, Va. 22151  
●Sent to Depository Libraries

# GOVERNMENT PUBLICATIONS

- 16794 Handbook on sanitation of buses, 1966, standards of sanitation for construction and operation of commercial buses and servicing and catering facilities. [1966.] v+23 p. il. ([Publication 1454]; Division of Environmental Engineering and Food Protection.) \* Paper, 15c. ● Item 496-A  
L.C. card 66-62801 FS 2.6/2: B 96
- 16795 Health information for travel in Asia, including Japan, Indonesia, and Philippines, and in Australia and New Zealand. [Revised Mar. 1966.] [1966.] [2] p. narrow f°, folded into oblong 48° size. ([Publication 748-C; Division of Foreign Quarantine.]) \* Paper, \$3.75 per 100; single copy, 5c. ● Item 485 FS 2.2: T 69/4/966  
Health information series. ● Item 486 FS 2.50: (nos.)
- 16796 6. Ringworm, including athlete's foot. [Revised May 1966.] [1966.] [4] p. il. narrow 8° ([Publication 46.]) \* Paper, \$2.00 per 100; single copy, 5c.
- 16797 19. Asthma; [prepared by National Institute of Allergy and Infectious Diseases]. [Revised 1966.] [1966.] [12] p. il. narrow 8° ([Publication 155.]) \* Paper, 15c.
- 16798 131. Hemophilia; [prepared by Heart Information Center, National Heart Institute]. [1966.] 11 p. il. narrow 8° ([Publication 1420.]) \* Paper, \$5.00 per 100; single copy, 10c.
- 16799 135. Research explores cleft palate; [prepared by Information Office, National Institute of Dental Research, National Institutes of Health]. [1966.] [16] p. il. narrow 8° ([Publication 1487.]) \* Paper, \$6.75 per 100; single copy, 10c.
- Hospital and medical facilities series, facilities for mentally retarded: Design-equipment. ● Item 486-D
- 16800 C-1. Design of facilities for mentally retarded, diagnosis and evaluation, education and training, living units [with selected bibliography]. [1966.] cover title, vi+46 p. il. 4° ([Publication 1181-C, Division of Hospital and Medical Facilities, Architectural, Engineering, and Equipment Branch.]) \* Paper, 35c.  
L.C. card 66-62223 FS 2.74/5: C-1
- [Hospital and medical facilities series (under Hill-Burton program): Category C. Organization and administration.] ([Division of Hospital and Medical Facilities.]) ● Item 486-D
- 16801 C-14. Hospital environment makes difference! all external surroundings and influences in hospital comprise patients environment, research, education, consultation. [1966.] [5] p. il. narrow 8° ([Publication 930-C-14.]) †  
L.C. card 66-62802 FS 2.74/3: C-14
- 16802 Industrial environment, its evaluation and control, syllabus: v. 2, Laboratory manual [with lists of references]; edited by Andrew D. Hosey, Charles H. Powell. [1st printing 1958, revised 1965.] [1966.] iii+ [129] p. il. 4° ([Publication 614]; Division of Occupational Health.) \* Stiffboard, \$1.50. ● Item 496-A  
L.C. card 65-65696 FS 2.6/2: In 2/v. 2
- 16803 Lecture preparation guide, instructive communication [with list of references; by CDC Training Branch]. [Mar. 1966.] viii+60 p. il. 4° ([Publication 1421] Communicable Disease Center, Atlanta, Ga.) [Text on p. 2 and 3 of cover. Insert, (2) p., issued also.] \* Paper, 50c. ● Item 505-A FS 2.60/7: L 49
- 16804 NIH staff fellowship program. [1966.] [8] p. 12° ([Publication 1464: National Institutes of Health.]) † ● Item 507 FS 2.22: F 33/6
- 16805 NIH standard animal care equipment; [prepared by Purchase Standards Unit], Supply Management Branch, Procurement Section. [1966.] cover title, [89] p. il. 4° (National Institutes of Health, Office of Administrative Management.) [Issued with perforations.] † ● Item 507 FS 2.22: An 5
- 16806 Office evaluation of the aging patient, disease detection in persons over 45. [Aug. 1966.] [20] p. il. oblong 8° ([Publication 1513]; Division of Chronic Diseases, Gerontology Branch.) \* Paper, 20c. ● Item 485 FS 2.2: Ag 4/3

\*For Sale by Superintendent of Documents

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# NOVEMBER 1966

16807 Pharmacy residencies in Public Health Service hospitals. [1966.] cover title, 12 p. il. narrow 8° ([Publication 1501; Division of Hospitals.]) †  
● Item 496-B FS 2.89/3: 966

16808 Processing and storage of viable human tissues [with bibliographies]; by Theodore Malinin. 1966. vi+93 p. il. ([Publication 1442; National Cancer Institute, National Institutes of Health.]) [Prepared in cooperation with Department of Research Pathology, Georgetown University, Schools of Medicine and Dentistry.] \* Cloth, \$1.50. ● Item 507-H  
L.C. card 66-62803 FS 2.22/15: T 52

Research profile. ● Item 507-A-6

16809 3. Summary of progress in eye disorders; [prepared by Information Office, National Institute of Neurological Diseases and Blindness, National Institutes of Health, Bethesda, Md.]. [Revised 1966.] 1966. vi+16 p. il. ([Publication 1155.]) [Included in annual statement made to Congress of United States by Director of National Institute of Neurological Diseases and Blindness. Text on p. 3 of cover.] \* Paper, 15c.  
L.C. card 66-60544 FS 2.22/43: 3/3

16810 Symposium on recent development in research methods and instrumentation, Oct. 3-6, 1966, Clinical Center Auditorium, National Institutes of Health, Bethesda, Md., held in conjunction with 16th annual research equipment exhibit. [1966.] 32+[4] p. il. [Sponsored by National Institutes of Health in cooperation with Washington sections of American Association of Clinical Chemists, American Chemical Society, American Society for Microbiology, Instrument Society of America, Society for Applied Spectroscopy, Society for Experimental Biology and Medicine. Three pages are left blank for notes.] † ● Item 507  
L.C. card 66-62767 FS 2.22: R 31/14

Vital and health statistics: Series 20, Data from National Vital Statistics System. (National Center for Health Statistics.) ● Item 500-E

16811 4. Mortality from diseases associated with smoking, United States, 1950-64 [with selected bibliography; by A. Joan Klebba]. Oct. 1966. [4]+46 p. il. 4° ([Publication 1000, series 20, no. 4; Division of Vital Health Statistics.]) \* Paper, 35c.  
L.C. card 66-26092 FS 2.85/2: 20/no. 4

— Series 22, Data from National Vital Statistics System. (National Center for Health Statistics.) ● Item 500-E

16812 2. Episodes and duration of hospitalization in last year of life, United States, 1961; [by Gooloo S. Wunderlich and Gordon F. Sutton]. June 1966. [4]+48 p. 4° ([Publication 1000-series 22, no. 2; Division of Health Records Statistics.]) \* Paper, 35c.  
L.C. card 66-60080 FS 2.85/2: 22/no. 2

## PUBLIC ROADS BUREAU, Commerce Dept. Washington, D.C. 20235

16813 Freeways to urban development, new concept for joint development. [1966.] [8] p. il. 4° \* Paper, 15c. ● Item 265 C 37.2: F 87/2

16814 Highways, changing concept [address], by Rex M. Whitton, Federal Highway Administrator. [1966.] 5 p. 4° ([Item 3.]) †  
C 37.21: W 61/22

16815 Standard alphabets for highway signs, reference guide for standardization of letters and numerals used on highway signs, specified in Manual on uniform traffic control devices for streets and highways, as approved by American Association of State Highway Officials, Institute of Traffic Engineers, National Committee on Uniform Traffic Laws and Ordinances, National Association of Counties, National League of Cities. [1966 edition.] 1966. 36 p. il. 4° (Office of Highway Safety.) \* Paper, 30c.  
● Item 265-A  
L.C. card 66-62927 C 37.6/2: A1 27/966

## RECLAMATION BUREAU, Interior Dept. Washington, D.C. 20240

16816 Dams for reclamation. [1966.] cover title, 62, p. il. oblong 8° † ● Item 660 I 27.2: D 18/6/966

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Commerce, Springfield, Va. 22151  
●Sent to Depository Libraries



# GOVERNMENT PUBLICATIONS

Research report. (Water resources technical publication.)

- 16817 3. Soils tests computer programs; by Paul C. Knodel. [1st printing 1966.]  
[1966.] v+144 p. il. 4° \* Paper, \$1.00. ● Item 664-B I 27.54:3  
L.C. card 66-62791

## RURAL ELECTRIFICATION ADMINISTRATION, Agriculture Dept. Washington, D.C. 20250

- 16818 Rural electrification borrowers, 1965 annual statistical report [lending  
program of Rural Electrification Administration loan, operating and  
financial statistics of REA electric borrowers, year ending Dec. 31, 1965].  
[Aug. 1966.] cover title, 262 p. il. 4° (REA bulletin 1-1.) [Text on  
p. 2 of cover.] \* Paper, \$1.25. ● Item 115  
L.C. card 49-38508 A 68.1/2: 965

## SMALL BUSINESS ADMINISTRATION Washington, D.C. 20416

Small business bibliographies. † ● Item 901-K

- 16819 34. Distribution cost analysis; by Fred W. Kniffin. Apr. 1966 (revision).  
[1966.] 8 p. 4°  
L.C. card 66-62230  
16820 55. Wholesaling; by Theodore N. Beckman and Alton F. Doody. Apr. 1966  
revision. [1966.] 18 p. 4°  
16821 62. Sporting goods; by R. P. Willett and J. R. Grabnar. May 1966 revision.  
[1966.] 7 p. 4°  
L.C. card 66-62742  
16822 70. Automatic merchandising; by Thomas R. Wotruba. May 1966 revision.  
[1966.] 8 p. 4°  
L.C. card 66-62741  
16823 Summary of financial assistance programs. [Sept. 1966.] [6] p. il. 4°  
([OPI-7.]) † ● Item 901-B SBA 1.2: F 49/2

## SMITHSONIAN INSTITUTION Washington, D.C. 20560

- 16824 Guide map to Arts and Industries Building of Smithsonian Institution.  
[1965.] [2] p. il. f° † SI 1.20: Ar 7  
16825 Guide map to Museum of History and Technology of Smithsonian Institu-  
tion. [1965.] [2] p. il. f° † SI 1.20: H 62  
16826 Guide map to Museum of Natural History of Smithsonian Institution.  
[1965.] [2] p. il. f° † SI 1.20: N 21  
Publications in salvage archeology.  
16827 1. Fire Heart Creek site [with bibliography], by Donald J. Lehmer; editor Warren  
W. Caldwell [and others]. Lincoln, Nebr., 1966. [1]+v+115 p. il. large  
8° (River Basin Surveys.) † SI 1.22: 1  
16828 Smithsonian Institution, animals, art, aviation and space, history and tech-  
nology, natural history. [1966.] [6] p. il. narrow 8° † SI 1.2: Sm 6/18

## SOCIAL SECURITY ADMINISTRATION, Health, Education, and Welfare Dept., Washington, D.C. 20201

Actuarial note. †

- 16829 31. Enrollment for supplementary medical insurance, July 1, 1966; by George I.  
Kowalczyk. Aug. 1966. [3] p. 4° FS 3.19/2: 31

OASI (series). ● Item 518-A FS 3.35: (nos.)

- 16830 832. Medicare has 2 parts, don't confuse them. July 1966. 1 p. oblong 8° †  
16831 875. Just about 65? medicare health benefits can help you, there are 2 insurance  
plans, hospital insurance, doctor bill insurance. [Apr. 1966.] 8 p. il.  
12° [Issued in colored comic book form.] \* Paper, \$6.25 per 100;  
single copy 10c.  
16832 881b. Health insurance under social security: Your medicare handbook, medical  
insurance. [June 1966.] 24 p. il. 4° †  
16833 884a. Message for social security beneficiaries who live outside United States.  
June 1966. 13 p. narrow 8° [English, French, German, Greek, Italian,  
Spanish.] †

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SOIL CONSERVATION SERVICE, Agriculture Dept.  
Washington, D.C. 20250

- 16834 Fall water supply summary for Nevada [as of Oct. 1, 1966]; report prepared by Manes Barton and Roy E. Malsor, jr. Oct. 8, 1966. [1]+5 leaves, il. 4° [Prepared in cooperation with Nevada Department of Conservation and Natural Resources Division of Water Resources. Text on p. 3 of cover.] † A 57.46/14: 966
- 16835 Soil survey: Clinton County, Pa. [with list of literature cited; by Walter J. Steputis and others]. Aug. 1966. cover title, ii+141 p. il. 82 p. of pl. and maps, 4° [Prepared in cooperation with Pennsylvania State University, College of Agriculture and Agricultural Experiment Station and Pennsylvania Department of Agriculture, State Soil and Water Conservation Commission. Text on p. 2 of cover. One map is colored.] \* Paper, \$4.25. ● Item 102 (Rev. 1957). L.C. card Agr 66-332 A 57.38: C 61
- Soil survey investigations reports. † ● Item 121-A A 57.52: (nos.)
- 16836 2. Soil survey laboratory data and descriptions for some soils of North Dakota. Aug. 1966. [6]+271 p. il. 4° [Prepared in cooperation with North Dakota Agricultural Experiment Station.] L.C. card Agr 66-324
- 16837 3. Soil survey laboratory data and descriptions for some soils of Iowa. Aug. 1966. [4]+81 p. 4° [Prepared in cooperation with Kansas Agricultural and Home Economics Experiment Station.] L.C. card Agr 66-325
- 16838 4. Soil survey laboratory data and descriptions for some soils of Kansas. Aug. 1966. [4]+81 p. 4° [Prepared in cooperation with Kansas Agricultural Experiment Station.] L.C. card Agr 66-327
- 16839 6. Soil survey laboratory data and descriptions for some soils of Arkansas, Louisiana, Missouri. Aug. 1966. [4]+137 p. 4° [Prepared in cooperation with Arkansas, Louisiana, and Missouri Agricultural Experiment Stations.] (Information incorrect in publication as to sale by Superintendent of Documents.) L.C. card Agr 66-326
- 16840 7. Soil survey laboratory data and descriptions for some soils of Montana. Aug. 1966. [4]+159 p. 4° [Prepared in cooperation with Montana Agricultural Experiment Station.] L.C. card Agr 66-328
- 16841 8. Soil survey laboratory data and descriptions for some soils of Wyoming. Aug. 1966. [4]+97 p. 4° [Prepared in cooperation with Wyoming Agricultural Experiment Station.] L.C. card Agr 66-329
- 16842 9. Soil survey laboratory data and descriptions for some soils of Minnesota. Aug. 1966. [4]+79 p. 4° [Prepared in cooperation with Minnesota Agricultural Experiment Station.] L.C. card Agr 66-330

STATE DEPARTMENT  
Washington, D.C. 20520

African series. ● Item 862-A

- 16843 45. United States and Africa, unity of purpose [address by President Johnson, made at White House Reception, May 26, 1966, marking 3d anniversary of Organization of African Unity]. [Aug. 1966.] [2]+5 p. 4° ([Publication 8112; Office of Media Services, Bureau of Public Affairs.]) [Reprinted from Department of State bulletin, June 13, 1966.] \* Paper, 10c. L.C. card 66-62452 S 1.116: 45

Background notes. ([Office of Media Services, Bureau of Public Affairs.]) [Issued with perforations.] ● Item 862-B

- 16844 Basutoland [with bibliography]. [July 1966.] 4 p. il. 4° ([Publication 8091.]) \* Paper, 5c. S 1.123: B 29  
L.C. card 65-60213
- 16845 Belgium [with bibliography]. [June 1966.] 4 p. il. 4° ([Publication 8087.]) \* Paper, 5c. S 1.123: B 41  
L.C. card 65-60213
- 16846 Burundi [with bibliography]. [July 1966.] 8 p. il. 4° ([Publication 8084.]) \* Paper, 5c. S 1.123: B 95  
L.C. card 65-60213
- 16847 Equatorial Guinea [with bibliography]. [June 1966.] 8 p. il. 4° ([Publication 8025.]) \* Paper, 5c. S 1.123: Eq 2  
L.C. card 65-60213

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# GOVERNMENT PUBLICATIONS

## Background notes—Continued

- 16848 Ghana [with bibliography]. [July 1966.] 8 p. il. 4° ([Publication 8089.])  
\* Paper, 5c. S 1.123 : G 34  
L.C. card 65-60213
- 16849 Malawi [with bibliography]. [Revised June 1966.] 4 p. il. 4° ([Publication  
7790.]) \* Paper, 5c. S 1.123 : M 29/2/966  
L.C. card 66-61561
- 16850 Mauritius [with bibliography]. [Aug. 1966.] 8 p. il. 4° ([Publication 8023.])  
\* Paper, 5c. S 1.123 : M 44  
L.C. card 65-60213
- 16851 Muscat and Oman [with bibliography]. [June 1966.] 4 p. il. 4° ([Publica-  
tion 8070.]) \* Paper, 5c. S 1.123 : M 97  
L.C. card 65-60213
- 16852 Portugal [with bibliography]. [May 1966.] 4 p. il. 4° ([Publication 8074.])  
\* Paper, 5c. S 1.123 : P 83/2  
L.C. card 65-60213
- 16853 Southern Rhodesia [with bibliography]. [Aug. 1966.] 4 p. il. 4° ([Publication  
8104.]) \* Paper, 5c. S 1.123 : So 8r  
L.C. card 65-60213

## Department and Foreign Service series. ● Item 863

- 16854 134. Social power and social change in contemporary America, address by Ken-  
neth B. Clark [before audience of summer interns working in Department  
of State, Agency for International Development, and United States In-  
formation Agency, July 18, 1966]. [Sept. 1966.] [1]+20 p. ([Publi-  
cation 8125; Office of Equal Opportunity, Equal Employment Oppor-  
tunity Program, Office of Deputy Under Secretary for Administration.])  
[Text on p. 2 of cover.] \* Paper, 15c. S 1.69 : 134  
L.C. card SD 66-8

## General foreign policy series. ● Item 875

- 16855 214. Education for world responsibility, excerpts from plenary session addresses  
at National Foreign Policy Conference for Educators held at Department  
of State, Washington, D.C., June 16-17, 1966. [Sept. 1966.] [2]+40  
p. 4° ([Publication 8129; Office of Media Services, Bureau of Public  
Affairs.]) [Reprint from Department of State bulletin, July 18, 1966.]  
\* Paper, 25c. S 1.71 : 214  
L.C. card SD 66-7

## Treaties and other international acts series. \* Paper, \$10.00 a yr. (approx- imately 150 issues), \$6.00 additional for foreign mailing; single copies vary in price. ● Item 899 S 9.10 : (nos.)

- 16856 5946. Treaties, continued application to Tanzania of certain treaties concluded  
between United States and United Kingdom, agreement between United  
States and Tanzania, effected by exchange of notes dated Dar es Salaam  
Nov. 30, and Dec. 6, 1965; [effective Dec. 9, 1963]. [1966.] [2]+3 p.  
\* Paper, 5c. S 9.10 : (nos.)  
L.C. card 66-62570
- 16857 6024. Tracking stations, agreement between United States and Malagasy Re-  
public, amending agreement of Oct. 7, 1963, effected by exchange of notes  
dated at Tananarive Apr. 27, and May 2, 1966; [entered into force May 2,  
1966]. [1966.] [2]+3 p. [French and English.] \* Paper, 5c.  
L.C. card 66-62330
- 16858 6039. Agricultural commodities, agreement between United States and Israel  
signed Washington June 6, 1966; [entered into force June 6, 1966]  
with exchange of notes. [1966.] [2]+10 p. \* Paper, 10c.  
L.C. card 66-62334
- 16859 6041. Agricultural commodities, sales under title 4, agreement between United  
States and Sierra Leone, amending agreement of Jan. 29, 1965, as  
amended, effective by exchange of notes signed Freetown June 2, 1966;  
[entered into force June 2, 1966]. [1966.] [2]+2 p. \* Paper, 5c.  
L.C. card 66-62336
- 16860 6044. Agricultural commodities, sales under title 4, agreement between United  
States and Indonesia signed Washington, June 28, 1966; [entered into  
force June 28, 1966] with exchange of notes. [1966.] [2]+6 p.  
\* Paper, 5c.  
L.C. card 66-62339
- 16861 6046. Atomic energy, cooperation for civil power applications, agreement between  
United States and United Kingdom of Great Britain and Northern Ireland  
signed Washington, June 2, 1966; [entered into force July 15, 1966].  
[1966.] [2]+6 p. \* Paper, 5c.  
L.C. card 66-62340
- 16862 6047. Mutual defense assistance, agreement between United States and Belgium  
amending annex B to agreement of Jan. 27, 1950, effected by exchange  
of notes, signed Brussels Apr. 5 and May 26, 1966; [entered into force  
May 26, 1966]. [1966.] [2]+3 p. [English and French.] \* Paper, 5c.  
L.C. card 66-62341
- 16863 6048. Trade in cotton textiles, agreement between United States and Israel,  
amending agreement of Nov. 5 and 22, 1963, effected by exchange of  
notes, signed Washington June 30, 1966; [entered into force June 30,  
1966]. [1966.] [2]+2 p. \* Paper, 5c.  
L.C. card 66-62342

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- 16864 6050. Atomic energy, cooperation for civil uses, agreement between United States and United Kingdom of Great Britain and Northern Ireland, amending agreement of June 15, 1965, as amended, signed Washington June 2, 1966; [entered into force July 15, 1966]. [1966.] [2]+2 p. \* Paper, 5c.  
L.C. card 66-62343
- 16865 6051. Double taxation, taxes on income, convention between United States and Netherlands, modifying and supplementing convention of Apr. 29, 1948, as supplemented, signed Washington Dec. 30, 1965 with exchange of notes dated Washington Apr. 7, and 27, 1966; [entered into force July 8, 1966]. [1966.] [2]+29 p. [English and Dutch.] \* Paper, 15c.  
L.C. card 66-62577
- 16866 6052. Agricultural commodities, agreement between United States and Pakistan signed Karachi May 26, 1966; [entered into force May 26, 1966] with exchange of notes]. [1966.] [2]+11 p. \* Paper, 10c.  
L.C. card 66-62578
- 16867 6053. Weather stations, cooperative program on Guadeloupe Island, agreement between United States and France, amending and extending agreement of Mar. 23, 1956, as supplemented and extended, effected by exchange of notes, dated Paris Jan. 12 and July 7, 1966; [entered into force July 7, 1966, effective from June 30, 1965]. [1966.] [2]+3 p. [French and English.] \* Paper, 5c.  
L.C. card 66-62505
- 16868 6057. Further extension of international wheat agreement, 1962, protocol between United States and other Governments, open for signature at Washington, Apr. 4-29, 1966, [proclaimed by President of United States Aug. 2, 1966; entered into force July 16, 1966 with respect to pt. 1 and pts. 3-7, and Aug. 1, 1966 with respect to pt. 2]. [1966.] [2]+43 p. [English, French, Russian, and Spanish.] \* Paper, 20c.  
L.C. card 66-62650

### STATISTICAL REPORTING SERVICE, Agriculture Dept. Washington, D.C. 20250

- 16869 Citrus fruits, by States, 1964-65 and 1965-66, production, use, value. Oct. 1966. 9 p. 4° (FrNt 3-1 (10-66); Crop Reporting Board.) †  
A 92.11/8: 964-66
- 16870 Consumption of commercial fertilizers and primary plant nutrients in United States, year ended June 30, 1965; [by Carol D. Spencer, Walter Scholl and Helen P. Toland]. [June 1966.] 22 p. 4° (SpCr 7 (6-66); Crop Reporting Board.) † ● Item 122-A-2  
A 92.37: 965
- 16871 Peanut stocks and processing, seasonal report, Aug. 1965-July 1966, revised. Oct. 1966. 6 p. 4° (GrLg 11-2-1 (1966); Crop Reporting Board.) †  
A 92.14/2: 965-66
- 16872 Pig crop report, Sept. 1966. Sept. 21, 1966. 7 p. 4° (MtAn 4 (9-66); Crop Reporting Board.) †  
A 92.18/7: 966/3
- 16873 Stocks of hops, Sept. 1, 1966. Sept. 19, 1966. 1 p. 4° (SpCr 2 (9-66); Crop Reporting Board.) †  
A 92.30: 966-2

### SUBVERSIVE ACTIVITIES CONTROL BOARD Washington, D.C. 20445

- 16874 Reports of Subversive Activities Control Board, v. 4. 1966. [11]+697 p.  
\* Cloth, \$3.00. ● Item 1097-A  
L.C. card 66-60943  
Y 3.Su 1: 8-2/4

### TARIFF COMMISSION Washington, D.C. 20436

- 16875 Summaries of trade and tariff information, prepared in terms of Tariff schedules of United States (TSUS); schedule 4, Chemicals and related products, v. 3, Inorganic chemicals 2; [Aug. 1966]. 1966. vii+174 p. 4° (TC publication 188.) †  
TC 1.26/2: 4/3

### TREASURY DEPARTMENT Washington, D.C. 20220

- 16876 Accounting concepts and Federal tax system, remarks by Stanley S. Surrey, Assistant Secretary of Treasury, before 79th annual meeting of American Institute of Certified Public Accountants, Boston, Mass., Oct. 5, 1966. 1966. 21 p. (F-645.) †  
T 1.31: Su 7/19

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Commerce, Springfield, Va. 22151  
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# GOVERNMENT PUBLICATIONS

## Department circulars. †

T 1.4/2 : (nos.)

- 16877 530. Regulations governing United States savings bonds, 9th revision, Dec. 23, 1964; amdt. 2. Aug. 16, 1966. 2 p. 4° (Fiscal Service, Bureau of Public Debt.) ● Item 924
- 16878 905. Offering of United States savings bonds, series H, 4th revision, Apr. 7, 1966, 2d amdt.; Aug. 16, 1966. [1966.] 6 p. 4° (Fiscal Service, Bureau of Public Debt.) ● Item 924
- 16879 930, rev. Procedures memorandum 2, amdt. 1, Procedures governing certain foreign currency reservations and conversions. Sept. 20, 1966. 3+ [1] p. 4° (Fiscal Service, Bureau of Accounts.)

## Department circulars, public debt series. † ● Item 924 T 1.4/3 : (nos.)

- 16880 5-66. United States of America 5¼ percent Treasury certificates of indebtedness of series A-1967, dated and bearing interest from Aug. 15, 1966, due Aug. 15, 1967. July 28, 1966. 2 p. 4°
- 16881 6-66. United States of America 5¼ percent Treasury notes of series A-1971, dated and bearing interest from Aug. 15, 1966, due May 15, 1971. July 28, 1966. 3 p. 4°
- 16882 Financial management of Federal credit programs in Great Society, remarks of Joseph W. Barr, Under Secretary of Treasury before 3d annual corporate pension conference, New York, N.Y., Oct. 6, 1966. [1966.] 11 p. 4° (F-650.) † T 1.31 : B 27/20
- 16883 National economic objectives, remarks by W. True Davis, Assistant Secretary, at Missouri Bankers Association, St. Joseph, Mo., Oct. 5, 1966. [1966.] 11 p. 4° (F-644.) † T 1.31 : D 29
- 16884 Remarks by Henry J. Fowler, Secretary of Treasury in annual lecture series sponsored by Newcomen Society in North America at United States Coast Guard Academy. New London, Conn., Oct. 14, 1966. [1966.] 10 p. 4° (F-662.) † T 1.31 : F 82/65
- 16885 Remarks of Joseph W. Barr, Under Secretary of Treasury, at international committee meeting of Aerospace Industries Association of America, Inc., Palm Desert, Calif., Oct. 4, 1966. [1966.] 12 p. 4° (F-643.) † T 1.31 : B 27/19
- 16886 Remarks of Joseph W. Barr, Under Secretary of Treasury, at Saint Peters Church, Albany, N.Y., Oct. 16, 1966. [1966.] 5 p. 4° † T 1.31 : B 27/22
- 16887 Remarks of Joseph W. Barr, Under Secretary of Treasury, before 28th annual Building Products Executive Conference at Washington, D.C., Oct. 13, 1966. [1966.] 10 p. 4° (F-661.) † T 1.31 : B 27/21
- 16888 Remarks of Joseph W. Barr, Under Secretary of Treasury, before Home Builders State Association of Iowa annual convention in Cedar Rapids, Iowa, Oct. 21, 1966. [1966.] 9 p. 4° (F-668.) † T 1.31 : B 27/23
- 16889 Remarks of Joseph W. Barr, Under Secretary of Treasury, before municipal tax collectors and treasurers of Virginia Municipal League, 61st annual convention, Richmond, Va., Sept. 20, 1966. [1966.] 10 p. 4° (F-624.) † T 1.31 : B 27/18
- 16890 Statement by Henry H. Fowler, Secretary of Treasury, at meeting with National Industrial Conference Board, New York City, [N.Y.], Sept. 21, 1966. [1966.] 9 p. 4° (F-626.) † T 1.31 : F 82/63
- 16891 Steps toward more rational world economic order, remarks of Henry H. Fowler, Secretary of Treasury of United States and United States Governor of International Monetary Fund, before annual meeting of International Monetary Fund, Washington, D.C., Sept. 28, 1966. [1966.] 14 p. 4° (F-636.) † T 1.31 : F 82/64

## UNITED STATES INFORMATION AGENCY

Washington, D.C. 20547

- 16892 English teaching forum, facts and ideas for teacher of English as foreign language, v. 4, no. 4, winter 1966 [articles, with selected bibliography]. [1966.] cover title, 28 p. il. 4° [Plastic recording disc attached to inside of back cover. Text on p. 2 of cover. Includes music and Index of v. 4 (1966).] \* Paper, 25c. ● Item 672 IA 1.17 : 4/4

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- 16893 26th report to Congress, Jan.-June 1966. [1966.] cover title, 20 p. il. 4° †  
 ● Item 672-B  
 L.C. card 54-61257 IA 1.1: 26

## VETERANS ADMINISTRATION Washington, D.C. 20420

- VA pamphlets. ● Item 988 VA 1.19:(nos.)  
 16894 10-35. Physicians in Department of Medicine and Surgery, Veterans Administration. Revised [edition]. [July 1966.] 14+[2] p. il. 4° [Rescision, VA pamphlet 10-35, revised May 1962.] †  
 16895 10-85. Theological roots for hospital ministry [papers, with lists of references]: by Robert E. Hunt, Leo Jung, Albert L. Meiburg. [1966.] cover title, ii+38 p. [VA Chaplain Workshops 1966.] \* Paper, 20c.

## VOCATIONAL REHABILITATION ADMINISTRATION, Health, Education, and Welfare Dept., Washington, D.C. 20201

- 16896 Vocational Rehabilitation Administration [annual report, fiscal year 1965]. [1966.] p. 369-393, il. [Reprint from Annual report of Department of Health, Education, and Welfare, 1965.] † FS 13.201: 965

## WAGE AND HOUR AND PUBLIC CONTRACTS DIVISIONS, Labor Dept., Washington, D.C. 20210

- 16897 Handy reference guide to Fair labor standards act [as amended]. Apr. 1966. cover title, 13 p. (WHPC publication 1152.) \* Paper, 15c.  
 ● Item 778-B  
 L.C. card L 61-67 L 22.5: F 15/3/966  
 16898 Highlights of Fair labor standards act as amended, 1966 (effective Feb. 1, 1967). [1966.] [6] p. folded into narrow 8° size. (WHPC publication 1158.) † ● Item 777 L 22.2: F 15/6/966

Interpretative bulletin, title 29, of Code of Federal regulations.

- 16899 pt. 778. Overtime compensation under Fair labor standards act of 1938, as amended. [1966.] iii+51 p. 4° (WHPC publication 1126.) [Conforms to Code of Federal regulations as of Aug. 19, 1966.] † ● Item 778 L 22.10: 778/11

## WEATHER BUREAU, Commerce Dept. Washington, D.C. 20235

- 16900 Daily river stages, v. 59, 1963 [with list of reference notes]; compiled by Office of Hydrology. 1966. iii+163 p. 4° [Prior to 1949 issue, publication was entitled Daily river stages at river gage stations on principal rivers of United States. Includes list of corrigenda.] \* Paper, \$1.00.  
 ● Item 274  
 L.C. card 65-9158 C 30.24: 59

Technical paper. ● Item 281

- 16901 58. Catalog of radar-positioned constant-volume balloon (tetroon) flights; compiled by Air Resources Laboratory. 1966. iii+293 p. il. oblong large 8° \* Paper, \$3.25. C 30.28: 58

## WELFARE ADMINISTRATION, Health, Education, and Welfare Dept. Washington, D.C. 20201

- 16902 La Administracion de Bienestar y el auxilio social en el mundo. [1966.] [1]+10 p. il. ([Publication 2.]) [Title on cover is: La cooperacion internacional, el aporte de la Administracion de Bienestar.] \* Paper, 15c.  
 L.C. card HEW 66-162 FS 14.2: In 8/Spanish  
 16903 L'Administration des Affaires Sociales et l'action sociale dans le monde. [1966.] [1]+10 p. il. ([Publication 2.]) [Title on cover is La Cooperation internationale, contribution de l'Administration des Affaires Sociales.] \* Paper, 15c.  
 L.C. card HEW 66-163 FS 14.2: In 8/French

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# GOVERNMENT PUBLICATIONS

- 16904 Neighborhood legal services, new dimensions in law, report, prepared by Jane Handler; Leora Wood Wells, editor. 1966. vii+79 p. ([JD-7001, Legal series]; Office of Juvenile Delinquency and Youth Development.) \* Paper, 35c. ● Item 532-A-7  
L.C. card HEW 66-156 FS 14.17/3 : N 31
- 16905 Portrait of median city, capsule view of social welfare programs in United States: by Frances A. Koestler. [1966.] iii+47 p. ([Publication 16.]) \* Paper, 25c. ● Item 532-A-1  
L.C. card HEW 66-155 FS 14.2 : M 46/2
- 16906 Summeries of training grants awarded, Sept. 1964-Sept. 1965. [1966.] [20] leaves, 4° (Office of Juvenile Delinquency and Youth Development.) †  
FS 14.2 : T 68/3/964-65

## WOMEN'S BUREAU, Labor Dept. Washington, D.C. 20210

- 16907 Divorce laws as of July 1, 1966. [1966.] 2 leaves, oblong 8° ([WB 67-47.]) †  
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- 16908 Fact sheet on educational attainment of nonwhite women. [June 1966.] 2 p. 4° ([WB 66-408.]) †  
L 13.2 : Ed 8/6
- 16909 Fact sheet on trends in educational attainment of women. [Apr. 1966.] 2 p. 4° ([WB 66-292.]) †  
L 13.2 : Ed 8/5/966
- 16910 Marriage laws as of July 1, 1966. [1966.] 1 p. narrow f° (WB 67-46.) †  
L 13.6/4 : 966
- 16911 Remarks by Mary Dublin Keyserling, director, Women's Bureau, Department of Labor, 3d National Conference of Commissions on Status of Women, Panel of Labor Standards and Equal Employment Opportunity for Women, June 29, 1966, Washington, D.C. [1966.] 6 leaves, 4° †  
L 13.12 : K 52/22
- 16912 Shortage or surplus? assessment of Boston womanpower in industry, Government, and research, report of conference sponsored by Division of Continuing Education, Boston University, Massachusetts Department of Labor and Industries, Women's Division, Massachusetts Department of Commerce, Women's Bureau, U.S. Department of Labor, held at Boston University, Boston, Mass., June 7 and 8, 1963. n.d. vii+70 p. il. 4° [Title on cover is: Report of conference on shortage or surplus? assessment of Boston womanpower in industry, Government, and research, held at Boston University, Boston, Mass., June 7 and 8, 1963.] ‡  
L 13.2 : W 84/45
- 16913 What equal pay principle means to women, some pertinent questions and answers. Aug. 1966. 4 p. 4° ([WB 67-62.]) † L 13.2 : Eq 2/16/966
- 16914 Women workers in Minnesota, 1960. Revised [Sept. 1966]. [1966.] 14 p. 4° ([WB 67-76.]) †  
L.C. Card L 64-17 L 13.22 : M 66/960-3

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OF UNITED STATES  
GOVERNMENT PUBLICATIONS



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DECEMBER 1966

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## PREVIEWS

The following publications are in the process of being printed. Advance sales orders may be placed for these publications. Orders will be scheduled and copies mailed as soon as stocks are received. It is not possible to estimate the lapse of time before the publications will actually appear. All information in regard to title, series, classification, distribution, and price given in these listings is preliminary and subject to change when the publications actually come from the press. Those so marked will be sent to depository libraries, providing, that at the time of going to press, the libraries were on list to receive the items under which these publications will be distributed.

- Aerial-photo interpretation in classifying and mapping soils.** (Agriculture Department, Agriculture handbook 294.) 75c. ● A 1.76: 294
- Air Almanac 1967, May-August.** (Naval Observatory.) \$3.25. ● D 213.7: 967/2
- Aspects of sales promotion, stand up and holler.** (Small Business Administration, Administrative management course program, topic 7.) \$1.25. ● SBA 1.24: 7
- Assembling equipment in the packaged disaster hospital.** (Public Health Service, Publication 1071, Health mobilization series F-14.) \$1.00. ● FS 2.302: F-14
- Astronomical phenomena for the year 1969.** (Naval Observatory.) 35c. ● D 213.8/3: 969
- Atlantic continental shelf and slope of the United States, geologic background.** (Geological Survey, Professional paper 529-A.) 30c. ● I 19.16: 529-A
- Breeds of swine.** (Agriculture Department, Farmers' bulletin 1263, revised.) 10c. ● A 1.9: 1263/12
- Bureau of Labor Statistics, statistics and studies, handbook of methods.** (Labor Statistics Bureau, Bulletin 1458.) \$1.50 ● L 2.3: 1458
- Cancer of the skin.** (Public Health Service, Publication 378, Health information series 75, revised.) \$3.25 per 100, single copy 5c. ● FS 2.50: 75/4
- Chaco Canyon National Monument, New Mexico.** [Revised 1966.] (National Park Service.) 10c. ● I 29.21: C 34/966
- Charles M. Russell National Wildlife Range, Montana.** (Fish and Wildlife Service, Refuge leaflet 530.) 5c. ● I 49.44: 530
- Children's literature, guide to reference sources.** (Library of Congress.) \$2.50. ● LC 2.8: C 43
- Civil Aeronautics Board reports, vol. 38.** (Civil Aeronautics Board.) \$4.75. ● C 31.211: 38
- Comparison of financial operation results of affiliated food warehouses.** (Agriculture Department, Miscellaneous publication 1031.) 15c. ● A 1.38: 1031
- Do you know your economic ABC's, U.S. economic growth.** (Commerce Department.) 25c. ● C 1.2: Ec 7/4
- Dry cleaning business.** (Small Business Administration, Starting and managing series, v. 12.) 15c. ● SBA 1.15: 12
- Early cultures and human ecology in south coastal Ecuador.** (National Museum, Contributions to anthropology series, vol. 3.) \$3.50. ● SI 3.11: 3
- Economic development in Alaska, report to the President.** (Commerce Department.) 35c. ● C 1.2: A 11/2
- Encouraging American handcrafts, what role in economic development.** (Economic Development Administration.) 35c. ● C 46.2: H 19
- Energy research and development and national progress, findings and conclusions.** (Office of Science and Technology.) 15c. ● PrEx 8.2: En 2/966
- Forests forever.** (Forest Service, FS-21.) 10c. ● A 13.2: F 76/70
- Glen Canyon National Recreation Area, Arizona.** [Revised 1966.] (National Park Service.) 15c. ● I 29.39: G 48/966
- Ground instructor examination guide, basic-advanced.** (Flight Standards Service, Advisory circular 143-1A.) 70c. ● FAA 5.8/2: G 91/4/966

- How foreign policy is made. [Revised edition.] (State Department, General foreign policy series 195.) 30c. ● S 1.71: 195/2
- Know your money. [Revised 1966.] (Secret Service.) 25c. ● T 34.2: M 74/966
- Mushroom growing in United States. (Agriculture Department, Farmers' bulletin 1875, revised.) 10c. ● A 1.9: 1875/5
- Natural resources of Wyoming. (Interior Department.) 65c. ● I 1.91: W 99
- Public information photographic manual. (Naval Air Systems Command, NAVAIR 10-1-783.) \$1.75. ● D 202.6/7: P 96
- Research explores pyorrhea and other gum diseases. (Public Health Service, Publication 1482, Health information series 133.) 20c. ● FS 2.50: 133
- Rules for deducting travel, entertainment, and gift expenses. (Internal Revenue Service, Publication 463, revised.) 10c. ● T 22.19: T 69/2/966
- Saline water conversion engineering data book, supplement 1. (Interior Department.) \$1.25. ● I 1.77/2: Sa 3/supp. 1
- State law compulsory attendance. (Education Office, OE-23044, Circular no. 793.) 55c. ● FS 5.223: 23044
- Strawberry culture, south Atlantic and Gulf Coast regions. (Agriculture Department, Farmers' bulletin 1026, slightly revised.) 15c. ● A 1.9: 1026/11
- Students, start your career in Soil Conservation Service before you graduate. (Agriculture Department, Miscellaneous publication 714, revised.) 5c. ● A 1.38: 714/4
- Tax guide for small business. [1967 edition.] (Internal Revenue Service, Publication 334.) 50c. ● T 22.19/2: Sm 1/967
- Treasury decisions under customs and other laws, v. 100, Jan.-Dec. 1965. (Treasury Department.) \$3.75. ● T 1.11: 100
- Tumors of endocrine glands and secondary sex organs. (Public Health Service, Publication 1332.) \$3.00. ● FS 2.22: T 83
- Twin creek limestone (Jurassic) in western interior of United States. (Geological Survey, Professional paper 540.) \$1.25. ● I 19.16: 540

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## Abbreviations

add-----	addition, addendum, addenda.	n. d.-----	no date.
amdt., amdts-----	amendment, amendments.	n. p.-----	no place.
app-----	appendix, appendixes.	no., nos-----	number, numbers.
bk., bks-----	book, books.	p-----	page, pages.
chap-----	chapter, chapters.	p. of pl-----	pages of plates.
Cong-----	Congress.	par., pars-----	paragraph, paragraphs.
Dept-----	Department.	pl-----	plate, plates.
doc-----	document.	por-----	portrait, portraits.
facsim-----	facsimile, facsimiles.	pt., pts-----	part, parts.
fy-----	fiscal year.	rp-----	report.
G.H.A-----	Greenwich hour angle.	S-----	Senate, Senate bill.
H-----	House.	S. Con. Res-----	Senate concurrent resolution.
H. Con. Res-----	House concurrent resolution.	S. doc-----	Senate document.
H. doc-----	House document.	S. ex. doc-----	Senate executive document.
H. ex. doc-----	House executive document.	S. ex. rp-----	Senate executive report.
H. J. Res-----	House joint resolution.	S. J. Res-----	Senate joint resolution.
H.R-----	House of Representatives, House bill.	S. Res-----	Senate resolution.
H. Res-----	House resolution.	S. rp-----	Senate report.
H. rp-----	House report.	sec-----	section, sections.
il-----	illustration, illustrations.	sess-----	session, sessions.
in-----	inch, inches.	Stat. L-----	Statutes at large.
lat-----	latitude.	supp-----	supplement.
long-----	longitude.	tab-----	table, tables.
m-----	mile.	Treas-----	Treasury.
		v-----	volume, volumes.
		vs., v-----	versus.

Common abbreviations for the names of States, months, etc., are also used.  
An explanation of the symbols used to designate sizes of publications is given on the inside of the front cover.

## Explanation

The individual issuing department, bureau, office, or agency is considered the publisher of Government publications.

Words and figures enclosed in brackets [ ] in titles are given for information, but do not appear on the title pages of the publications cataloged. Place and printer are not given for publications printed at the United States Government Printing Office, Washington, D.C., or at Government departmental and field printing plants. The dates given with Senate and House documents and reports are the dates on which they were ordered to be printed. Usually the printing promptly follows the ordering, but various causes sometimes make delays.

Under provisions of the Printing Act of January 12, 1895, all Government publications, except administrative and confidential (or restricted), are entered in the Monthly Catalog.

The L.C. card number appended to some of the entries is for those libraries ordering printed cards from the Library of Congress. The number at the extreme right of an entry indicates the classification of the publication in the Office of the Superintendent of Documents.

# General Information

The Superintendent of Documents, Government Printing Office, Washington, D.C., is authorized by law to sell copies of Government publications and to allow a discount of 25 percent to book dealers and also to quantity purchasers of 100 or more copies of a single publication on condition that they will adhere to the public sales price set by the Superintendent of Documents and that publications shall not be overprinted with any advertising matter.

Publications cannot be supplied free to individuals nor forwarded in advance of payment.

## PRICE LIST

There is no general price list of public documents, but numerous lists have been prepared on special subjects and any of these will be furnished free, on application, by subject or subjects concerning which information is desired. It will also be noted that current publications which are for sale are listed in this catalog.

## LIST OF SELECTED PUBLICATIONS

In addition to the price lists, the Documents Office issues a biweekly list of Selected United States Government publications for sale by the Superintendent of Documents. Each list is arranged alphabetically by subjects, with annotations and prices, and may be obtained free upon application to the Superintendent of Documents.

## CONGRESSIONAL BILLS, DOCUMENTS, AND REPORTS

More than 12,000 different bills are usually introduced during a Congress, and there are additional prints on many during the progress of the legislation. With the exception of a very few—such as revenue bills—the demand is an unknown quantity and on most of them we receive no orders, which makes it impossible to print a sales supply. It may be that a copy could be obtained from your Congressman.

A difficult problem is also presented in providing a supply of congressional documents, hearings, and reports because there are approximately 6,000 of this class of publications issued during a Congress and only a few of them are called for. We will attempt to print for sale a few of the more important ones, but if not priced the only possible source would be from your Congressman.

## HOW TO ORDER PUBLICATIONS

Publications entered in this catalog that are for sale by the Superintendent of Documents are indicated by an asterisk (\*) preceding the price. Those for sale by the Clearinghouse for Federal Scientific and Technical Information, are indicated by a farad (Φ) preceding the price. A black dot (●) indicates that the publication has been or will be sent to depository libraries. A dagger (†) indicates that application should be made to the department, bureau, or agency issuing the document. A double dagger (‡) indicates that the document is printed for official use and is not obtainable. Whenever additional information concerning the method of procuring a document seems necessary, it will be found under the name of the bureau by which it was published.

In ordering a publication from the Superintendent of Documents, give (if known) the name of the publishing department, bureau, or agency, and the title, together with the classification number which is added to the entry at the extreme right; order the congressional documents and reports by the title, together with the document or report number and the Congress, e.g., H. doc. 103, 88th Congress.

Do not use the L.C. card number in ordering a publication from the Superintendent of Documents.

### HOW TO REMIT

Remittances for documents marked with an asterisk (\*) should be made to the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402, by coupon, postal money order, express order, or check. Publications cannot be mailed in advance of receipt of remittance. Currency may be sent at sender's risk. Foreign remittances should be made either by international money order or draft on an American bank.

*Foreign money, defaced or smooth coins, will not be accepted. Do not send postage stamps.*

For the convenience of the general public, coupons in the denomination of 5¢ that are good until used in exchange for Government publications sold by the Superintendent of Documents, may be purchased from this office. Address order to Superintendent of Documents, Government Printing Office, Washington, D.C. 20402.

Persons who make frequent purchases from the Superintendent of Documents may find a deposit account convenient. Deposits of \$25.00 or more are accepted against which orders may be placed without making individual remittances or first obtaining quotations. Order blanks are furnished for this purpose. After the handling of the order has been completed, it will be returned showing the publications supplied, explanations regarding those not sent, the amount of charge, and the balance on deposit.

No charge is made for postage on documents forwarded to points in United States and possessions, or to Canada, Cuba, Mexico, and certain Central and South American countries. To other countries the regular rate of postage is charged, and remittances must cover such postage. In computing foreign postage, add one-fourth of the price of the publication.

### LIBRARY CLASSIFICATION IN DOCUMENTS OFFICE

The classification given at the right of entries for departmental publications is that used in the Library of the Division of Public Documents. It is also used as a catalog number for sales stock of this office. The shilling mark (/) separates what would ordinarily be superior or inferior numbers or letters, as it is not practicable to print these numbers or letters as superiors or inferiors in the Monthly Catalog.



# New Classification Numbers

## Assigned January—December 1966

NOTE.—New classes appearing for the first time in this issue of the Monthly Catalog are listed in bold face type.

	Agriculture Department.
A 1.103 : date_____	Report and recommendations of the Farm Resources and Facilities Research Advisory Committee.
	Forest Service.
A 13.49/4 : nos_____	ED&T reports.
A 13.66/15 : CT_____	Pacific Northwest Forest and Range Experiment Station: Bibliographies and lists of publications.
A 13.81 : Reserved	
A 13.82/1 : date_____	North Central Forest Experiment Station: Annual report.
A 13.82/2 : CT_____	—: General publications.
A 13.82/3 : to A 13.82/8 : Reserved	
A 13.82/9 : date_____	—: List of publications.
	Federal Extension Service.
A 43.33/2 : nos_____	New crop varieties.
A 43.38 : date_____	Statistical summary, rural areas development and areas redevelopment, quarterly progress report.
	Soil Conservation Service.
A 57.8/2 : CT_____	America the beautiful (posters).
A 57.47 : -51 : Reserved	
A 57.52 : nos_____	Soil survey investigations reports.
	Agricultural Research Service.
A 77.226/3 : nos_____	Veterinary Biologics Division notices.
A 77.237/2 : date_____	National tick surveillance program, calendar year.
	NOTE.—Formerly entitled National tick survey and classified A 77.202 : T 43/2.
	Agricultural Stabilization and Conservation Service.
A 82.3/7 : date_____	Export corn meal price bulletin.
	NOTE.—Statistics formerly included in Export corn meal bulletin, A 82.3/3 : (date).
A 82.3/8 : date_____	Export corn meal port bulletin.
	NOTE.—Statistics formerly included in Export corn meal bulletin, A 82.3/3 : (date).
A 82.3/9 : date_____	Export wheat flour price bulletin.
	NOTE.—Statistics formerly included in Export wheat flour bulletin, A 82.3/5 : (date).
A 82.3/10 : date_____	Export wheat flour port bulletin.
	NOTE.—Statistics formerly included in Export wheat flour bulletin, A 82.3/5 : (date).
A 82.82 : nos_____	ASCS background information BI (series).
	Farmers Home Administration.
A 84.6/2 : CT_____	Handbooks, manuals, guides.

- Consumer and Marketing Service.
- A 88.14/12: date----- Dairy plants surveyed and approved for USDA grading service (semiannual).
- A 88.40/a: CT----- AMS (series) (separates).
- Statistical Reporting Service.
- A 92.15/5: date----- Stocks and soybeans in all positions (annual).
- A 92.29/5: date----- Wool and mohair production, price and value (annual).
- NOTE.—See, for earlier statistics, Wool production and value (A 92.29/3:(date)); Mohair production and value (A 92.29/4:(date)); Wool and mohair prices (A 92.29/2:(date)).
- A 92.36: Reserved
- A 92.37: date----- Consumption of commercial fertilizers and primary plant nutrients in United States (annual).
- NOTE.—Designated SpCr 7.
- Commerce Department.
- C 1.32/4: date----- Department of Commerce trade tips on world markets.
- C 1.42/2: Reserved
- C 1.42/3: CT----- National Export Expansion Council publications.
- C 1.52: nos----- Northwest Corridor Transportation Project technical papers.
- Census Bureau.
- C 3.140/2: nos----- Government employment, GE—(series).
- C 3.191/2: nos----- [Government finances] GF (series).
- NOTE.—Consolidation of State finances G—SF (series), C 3.141:(nos.); City finances G—CF (series), C 3.142:(nos.); and Governmental finances, GF—GF (series), C 3.191:(nos.).
- C 3.202/17: Reserved
- C 3.202/18: letter-nos----- Census of business: Special reports.
- C 3.204/2: date/pt. nos----- County business patterns [bound volumes].
- C 3.205/3: series no. & nos----- ISPO [International Statistical Programs Office] (series).
- C 3.211/5: letters-nos----- Special current business reports: Monthly department store sales in selected areas.
- C 3.227/2: nos----- Census tract papers GE—40 (series).
- C 3.230/2: letters-nos----- Enterprise statistics, preliminary reports.
- C 3.233/3: date/v. nos----- Census of transportation: Final volumes.
- C 3.234: date----- Census of commercial fisheries: Final volumes.
- C 3.235: date----- U.S. exports and imports, working day and seasonal adjustment factors (annual).
- NOTE.—See, for earlier class, C 3.2: Ex 7.
- C 3.236: date----- Green coffee inventories and roastings (quarterly).
- C 3.237: v.nos.& nos----- Census Bureau statistical daily.
- C 3.238: v.nos.& nos----- Small-area data activities (irregular).
- Coast and Geodetic Survey.
- C 4.19/2a: CT----- Publications (numbered) (separates).
- C 4.51: Reserved
- C 4.52: CT----- Posters.
- National Bureau of Standards.
- C 13.37/2: —C 13.37/3: Reserved
- C 13.37/4: CT----- Bibliographies and lists of publications.
- Patent Office.
- C 21.14/2: CT----- Handbooks, manuals, guides.
- Weather Bureau.
- C 30.82: Reserved
- C 30.83: date----- Operations of the Weather Bureau (semi-annual).

	Civil Aeronautics Board.
C 31.206/8 : pt. nos	Special regulations.
C 31.256 : date	To mayor of each city with local airline service.
C 31.257 : date	Subsidy for United States certificated air carriers (annual).
	Public Roads Bureau.
C 37.4/2 : nos	Hydraulic engineering circulars.
	Maritime Administration.
C 39.226 : v. nos	Decisions of Maritime Subsidy Board, Maritime Administration.
	Business and Defense Services Administration.
C 41.30/3a : CT	Construction review (separates).
	International Commerce Bureau.
C 42.23/2 : CT	Export sales promotion announcements.
C 42.24 : Reserved	
C 42.25 : CT	Investment opportunity information.
C 42.26 : date	Trends in U.S. foreign trade.
	Economic Development Administration.
C 46.25 : nos	Qualified areas under Public works and economic development act of 1965, Public Law 89-136, reports.
C 46.25/2 : nos	Areas eligible for financial assistance designated under Public works and economic development act of 1965, reports (numbered).
	United States Travel Service.
C 47.10/2 : nos.-letters	U.S.T.S. [poster series].
	Community Relations Service.
C 50.3/2 : nos	National Citizens Committee bulletins.
C 50.7/2 : date	CRS media relations, newspapers, magazines, radio, television.
	Clearinghouse for Federal Scientific and Technical Information.
C 51.7/2 : nos	Fast announcements.
C 51.12 : CT	Special Foreign Currency Science Information Program, list of translations in process for fiscal year.
	Environmental Science Services Administration.
C 52.3 : -6 : Reserved	
C 52.7 : nos	Press releases.
C 52.8 : CT	Handbooks, manuals, guides.
C 52.9 : v. nos. & nos	Radio science (monthly).
	NOTE.—Replaces Sec. D of Journal of Research of National Bureau of Standards, C 13.22/sec. D : (v.nos.& nos.).
C 52.10 : nos	Ionospheric predictions (monthly).
	NOTE.—See, for earlier class, C 13.31/3 : (nos.).
C 52.11 : CT	Climatic maps of United States.
C 52.12 : CT	Addresses.
C 52.13 : Reserved	
C 52.14 : date	ESSA world (quarterly).
	Regional Economic Development Office.
C 53.1 : date	Annual report.
C 53.2 : CT	General publications.
C 53.3 : -8 : Reserved	
C 53.9 : CT	Bibliographies and lists of publications.
	Federal Communications Commission.
CC 1.44 : nos	Request for new or modified broadcast call signs.
	Civil Rights Commission.
CR 1.7 : date	Press releases.
	Civil Service Commission.
CS 1.65/3 : date	Executive Seminar Centers [programs].
	NOTE.—See, for earlier class, CS 1.2 : Ex3/6/ (date).
CS 1.66/a : CT	Civil service journal (separates).
CS 1.72/2 : date	Federal workforce outlook.



	Defense Department.
D 1.6/4 : date_____	Joint travel regulations: v. 1, Members of uniformed services.
D 1.13/4 : nos_____	Armed services procurement manual ASPM (series).
D 1.39 : Reserved	
D 1.40 : CT_____	Country law studies.
D 2.3 : Reserved	Armed Forces Information & Education.
D 2.3/2 : nos_____	Voting information bulletin.
D 2.15/2 : v.nos.& nos_____	Commanders digest (semiweekly).
	Defense Department.
D 7.6/10-2 : nos_____	DSA-DLSC manuals.
	NOTE.—Issued by Defense Logistics Services Center, Battle Creek, Mich.
D 7.6/11 : nos_____	Quality and reliability assurance handbooks.
D 7.19 : nos_____	DSA poster series.
	Army Department.
D 101.9/2 : nos_____	Army Materiel Command regulations, AMCR (series).
D 101.22/5 : nos_____	Supply and Maintenance Command, SMC pamphlets.
D 101.52/7 : nos_____	Army Research Office, Durham: Reports.
	NOTE.—Designated ARO-D reports.
	Adjutant General's Corps (Army).
D 102.19/3 : v.nos.& nos_____	Civil affairs activities in Ryukyu Islands (semi-annual).
	Army Department.
D 103.33/2 : nos_____	Cold Regions Research & Engineering Laboratory, Hanover, N.H.: Special reports.
	Engineers Corps (Army).
D 103.42/4 : nos_____	Coastal Engineering Research Center: Reports.
D 103.44 : nos_____	U.S. Army Engineer Division, North Pacific: Technical reports.
	Lake Survey (Army).
D 103.209 : nos_____	Research reports.
	Judge Advocate General (Army).
D 108.9 : Reserved	
D 108.10 : CT_____	Handbook, manuals, guides.
	Army Department.
D 117.11 : nos_____	Army Transportation Engineering Agency: USATEA reports.
	Navy Department.
D 201.15/2 : CT_____	Naval Support Force, Antarctica, publications.
	NOTE.—See, for earlier class, D 1.32 : (CT).
	Naval Oceanographic Office.
D 203.8/3 : date_____	Special notice to mariners (annual).
D 203.22/2 : Reserved	
D 203.22/3 : nos_____	Special publications.
D 203.24/6 : v.nos.& nos_____	NODC [National Oceanographic Data Center] quarterly accessions.
	Supplies and Accounts Bureau (Navy).
D 212.14 : v.nos.& nos_____	Navy Supply Corps newsletters (monthly).
	Marine Corps (Navy).
D 214.14/2 : CT_____	Marine Corps historical reference pamphlets.
	Naval Weapons Bureau.
D 217.24 : Reserved	
D 217.27 : nos_____	Naval Air Test Center, Patuxent River, Md.: Technical reports.
	Air Force Department.
D 301.35/3 : nos_____	Air Force Systems Command pamphlets.
D 301.45/48-D 301.45/51 : Reserved	

- D 301.45/52: nos----- Aerospace Medical Division: Technical report  
AMD-TR (series).  
Federal Aviation Agency.
- FAA 1.27/3: Reserved
- FAA 1.27/4: date----- Air traffic patterns for IFR and VFR aviation,  
calendar year.  
Systems Research and Development Service.
- FAA 2.8/2: nos----- Reports.  
Flight Standards Service.
- FAA 5.15: date----- Acceptable methods, techniques, and practices:  
Aircraft inspection and repair.
- FAA 5.16: date----- :Aircraft alterations.  
Federal Maritime Commission.
- FMC 1.6: CT----- Regulations, rules, and instructions.
- FMC 1.10/a 2: date----- [Orders, notices, rulings and decisions.]
- FMC 1.11: date----- Approved conference, rate and interconference  
agreements of steamship lines in foreign  
commerce of United States.
- FP 1.29: CT----- Federal Power Commission.  
Planning status reports.
- FS 1.23/5: date----- Health, Education, and Welfare Department.  
Mental retardation activities of Department of  
Health, Education, and Welfare, annual  
report.  
Public Health Service.
- FS 2.22/13-4: v.nos.& nos----- International bibliography on crime and de-  
linquency.
- FS 2.22/19-3: CT----- Translations for National Institutes of Health.
- FS 2.22/53: v.nos.& nos----- Diabetes literature index (monthly).
- FS 2.22/54: v.nos.& nos----- Gastroenterology abstracts and citations  
(monthly).
- FS 2.22/55: nos----- NINDM monographs.
- FS 2.22/56: Reserved
- FS 2.22/57: CT----- Nutrition surveys [by country].  
NOTE.—See, for earlier class, Y 3.In8/13: 2(CT).
- FS 2.22/58: CT----- National Institutes of Health: Addresses.
- FS 2.53/3: nos----- Mental health manpower, current statistical  
and activities report.  
National Library of Medicine.
- FS 2.208/4: v.nos----- Cumulated index medicus (annual).
- FS 2.209/3: v.nos.& nos----- Bibliography of medical translations (semi-  
monthly).  
NOTE.—See, for earlier bibliography, FS 2.209:  
T68, which is considered v.1 of this series.
- FS 2.209/4: nos----- Bibliography of the history of medicine (an-  
nual, cumulated every five years).
- FS 2.216: date----- National Library of Medicine current catalog  
(biweekly).  
NOTE.—Supersedes National Library of Medicine  
Catalog, LC 30.13: (date).
- FS 2.305: nos----- Public Health Service.  
Office of Solid Wastes information series SW  
(nos.).  
Social Security Administration.
- FS 3.6/4: nos----- Health insurance for the aged, HIM-(series).  
Education Office.
- FS 5.237: nos----- Elementary and secondary education publica-  
tions: Education of the disadvantaged, OE-  
37,000-37,999.
- FS 5.238: nos----- — Equal educational opportunities, OE-  
38,000-38,999.

- FS 13.119 : C T----- Food and Drug Administration.  
 FS 13.123 : Reserved Handbooks, manuals, guides.  
 FS 13.124 : date----- Radio-TV packet.  
 FS 13.125 : CT----- Bibliographies and lists of publications.  
 FS 13.127 : nos----- FDA poster (series).  
 FS 13.205 : CT----- Vocational Rehabilitation Administration.  
 Laws.  
 FS 14.17 : CT----- Welfare Administration.  
 FS 14.17/2 : CT----- Parole series.  
 FS 14.17/3 : CT----- Correction series.  
 Legal series.  
 FS 14.115 : nos----- Children's Bureau.  
 Juvenile delinquency, facts, facets.  
 NOTE.—See, for earlier class, FS 3.222 : (nos.).  
 FS 14.218 : date----- Family Services Bureau.  
 Medical assistance for the aged, fact sheet  
 (semiannual).  
 FS 14.219 : Reserved  
 FS 14.220 : date----- Progress report on staff development (annual).  
 FS 14.221 : date----- Public assistance, vendor payments for medical  
 care by type of service, fiscal and calendar  
 years.  
 NOTE.—See, for earlier class, FS 14.202 : M 46/  
 date.  
 FS 15.8 : CT----- Aging Administration.  
 FS 15.10 : nos----- Handbooks, manuals, guides.  
 Aging.  
 NOTE.—See, for earlier class, FS 14.9 : (nos.).  
 FS 15.11 : nos----- Patterns for progress in aging.  
 NOTE.—See, for earlier class, FS 14.9/5 : (nos.).  
 FS 15.12 : CT----- Bibliographies and lists of publications.  
 FS 15.12/2 : CT----- Selected references on aging.  
 NOTE.—See, for earlier class, FS 14.9/4 : (CT).  
 FS 16.1 : date----- Federal Water Pollution Control Administration.  
 FS 16.2 : CT----- Annual report.  
 FS 16.3 : -4 : Reserved General publications.  
 FS 16.5 : CT----- Laws.  
 FS 16.6 : -8 : Reserved  
 FS 16.9 : date----- Building for clean water, report on Federal  
 incentive grants for municipal waste treat-  
 ment.  
 NOTE.—See, for earlier class, FS 2.64/4 : (date).  
 GA 1.15 : date----- General Accounting Office.  
 GAO review (quarterly).  
 GP 1.23/2 : -GP 1.23/3 : Reserved Government Printing Office.  
 GP 1.23/4 : CT----- Handbooks, manuals, guides.  
 General Services Administration.  
 GS 1.14/8 : -9 : Reserved  
 GS 1.14/10 : CT----- Federal Fire Council : Addresses.  
 GS 2.10/2-2 : date----- Federal Supply Service.  
 GS 2.10/6 : pt.nos./date----- General stores stock catalog, hand tool section.  
 GSA stock catalog.  
 NOTE.—See, for earlier classes, GS 2.10/2 :  
 GS 2.10/2-2 : and GS 2.10/4 : (date).  
 HH 1.6/5 : nos----- Housing and Urban Development Department.  
 HUD program guides.  
 HH 1.17 : nos----- Water and sewer facilities grant program, HUD  
 information series.  
 HH 1.26 : date----- Urban planning assistance program project  
 directory.  
 NOTE.—See, for earlier class, HH 7.8/3 : (date).



## Interior Department.

- I 1.1/4: date\_\_\_\_\_ Cooperative water resources research and training (annual).  
 I 1.87/3: CT\_\_\_\_\_ Conceptual design of desalination plants.  
 I 1.95: nos\_\_\_\_\_ Conservation yearbooks.  
 Geological Survey.

I 19.52: -I 19.53: Reserved

- I 19.54: date\_\_\_\_\_ Abstracts of North American geology (monthly).

## Indian Affairs Bureau.

- I 20.44/a: CT\_\_\_\_\_ Navajo yearbook of planning in action (separates).  
 I 20.51: CT\_\_\_\_\_ Indians of [various States].  
 I 20.52: nos\_\_\_\_\_ Missouri River Basin Investigations Project reports.

## Mines Bureau.

- I 28.30/4: date\_\_\_\_\_ Coke and coal chemicals, annual.  
 I 28.88/2: date\_\_\_\_\_ Carbon black, annual.  
 I 28.111: date\_\_\_\_\_ Feldspar, annual.  
 I 28.112: date\_\_\_\_\_ Explosives, annual.

## National Park Service.

I 29.72: -.73: Reserved

- I 29.74: CT\_\_\_\_\_ Historic American Buildings Survey.

## Fish and Wildlife Service.

- I 49.28/3: nos\_\_\_\_\_ Fish disease leaflet FDL-(series).  
 I 49.32/a: CT\_\_\_\_\_ Statistical digests (separates).  
 I 49.49/2: nos\_\_\_\_\_ Fishery market development series.  
 I 49.61: -65: Reserved  
 I 49.66: nos\_\_\_\_\_ Resource publications (numbered).  
 I 49.67: nos\_\_\_\_\_ Resources status reports.  
 I 49.68: nos\_\_\_\_\_ Technical papers.

NOTE.—Issued by Bureau of Sport Fisheries and Wildlife.

## Defense Electric Power Administration.

- I 56.8: CT\_\_\_\_\_ Handbooks, manuals, guides.

## Outdoor Recreation Bureau.

- I 66.14: Reserved  
 I 66.15: CT\_\_\_\_\_ Bibliographies and lists of publications.  
 I 66.16: date\_\_\_\_\_ Operation Golden Eagle, directory of federal recreation areas requiring entrance and user charges.  
 I 66.17: nos\_\_\_\_\_ Outdoor recreation action (quarterly).

## Federal Water Pollution Control Administration.

- I 67.1: date\_\_\_\_\_ Annual report.  
 NOTE.—See, for earlier class, FS 16.1:(date).

- I 67.2: CT\_\_\_\_\_ General publications.  
 NOTE.—See, for earlier class, FS 16.2:(CT).

I 67.3: -7: Reserved

- I 67.8: CT\_\_\_\_\_ Handbooks, manuals, guides.  
 I 67.9: date\_\_\_\_\_ Pollution-caused fishkills (annual).  
 NOTE.—See for earlier class, FS 2.94:(date).

- I 67.10: date\_\_\_\_\_ Water and sewer bond sales in the United States (annual).

NOTE.—See, for earlier class, FS 2.56/4:(date).

- I 67.11: date\_\_\_\_\_ Sewage and water works construction (annual).

NOTE.—See, for earlier class, FS 2.56/2:(date).

- I 67.12: date\_\_\_\_\_ Selected summaries of water research.

## Interstate Commerce Commission.

- IC 1.23/20: date\_\_\_\_\_ Supplement to Carload waybill statistics (annual).

## Federal Bureau of Investigation.

- J 1.14/17: CT\_\_\_\_\_ Addresses.

- Community Relations Service.  
 J 23.1 : date----- Annual report.  
 NOTE.—See, for earlier class, C 50.1 : (date).  
 J 23.2 : CT----- General publications.  
 NOTE.—See, for earlier class, C 50.2 : (CT).  
 J 23.3 : -7 : Reserved  
 J 23.8 : CT----- Handbooks, manuals, guides.  
 NOTE.—See, for earlier class, C 50.8 : (CT).  
 Labor Department.  
 L 1.7/3 : Reserved  
 L 1.7/4 : CT----- Regulations and interpretative bulletins.  
 L 1.54 : CT----- Plans for Progress publications.  
 L 1.55 : date----- Welfare and pension plans disclosure act, report to Congress, calendar year.  
 Labor Statistics Bureau.  
 L 2.71/2 : nos----- Regional reports.  
 L 2.89/2 : date----- Indexes of output per man-hour for the private economy (annual).  
 NOTE.—See, for earlier class, L 2.2 : Ou 8/2/ (date).  
 Women's Bureau.  
 L 13.6/3 : CT----- Equal pay [laws in various States].  
 L 13.6/4 : date----- Marriage laws (annual).  
 NOTE.—See, for earlier class, L 13.2 : M 34/5 (date).  
 L 13.6/5 : date----- Divorce laws (annual).  
 NOTE.—See, for earlier class, L 13.2 : D 64/ (date).  
 Labor Standards Bureau.  
 L 16.47/4 : CT----- Maritime safety data for shipyard industry.  
 L 16.47/5 : CT----- Maritime safety data : Longshoring.  
 L 16.51/2 : nos----- Safe work guide SWG LS- (series).  
 L 16.51/3 : nos----- Suggested safe practices for shipyard workers.  
 L 16.51/4 : nos----- Student reference, Department of Labor Safety Training Programs.  
 L 16.51/5 : nos----- Safeguard our nation's youth . . . on the job (series).  
 Library of Congress.  
 LC 1.30/2-2 : date----- Annual list of serials, American Libraries Book Procurement Centers, Karachi, Dacca.  
 LC 1.30/5 : v.nos.& nos----- Indonesia, accessions list.  
 LC 1.30/6 : v.nos.& nos----- Accessions list, Nepal (triannual).  
 LC 1.32 : nos----- FLC [Federal Library Committee] newsletters.  
 LC 1.32/2 : Reserved  
 LC 1.32/3 : date----- Library vacancy roster.  
 NOTE.—Published by Federal Library Committee.  
 LC 30.8/7 : date----- National union catalog : Register of additional locations.  
 LC 30.8/8 : date----- National register of microform masters.  
 LC 33.3 : -LC 33.8 : Reserved  
 LC 33.9 : v.nos----- Antarctic bibliography.  
 National Labor Relations Board.  
 LR 1.15/4 : date----- Quarterly report on case developments.  
 National Aeronautics and Space Administration.  
 NAS 1.18/2 : pt.nos./date----- Index to management issuances.  
 NAS 1.18/3 : date----- Petitions for patent waiver.  
 NOTE.—Designated NHB 5500.1.  
 NAS 1.33 : date----- Space science and applications program (annual).  
 National Capital Regional Planning Council.  
 NC 3.8 : CT----- Handbooks, manuals, guides.  
 NC 3.9/2 : nos----- National Capital Open Space Program : Planning reports.

NS 1.26 : v.nos.& nos.....	National Science Foundation. Antarctic journal of United States (bimonthly).
P 1.39/2 : CT.....	Post Office Department. State postal maps.
PrEx 2.8/5 : date.....	Budget Bureau. Special analyses, budget of United States, fiscal year.
PrEx 2.16 : Reserved	
PrEx 2.17 : nos.....	Working papers.
PrEx 4.18/4 : CT.....	Emergency Planning Office. National Resource Evaluation Center : Publications (unnumbered).
PrEx 7.2 : CT.....	Foreign Broadcast Information Service. General publications.
PrEx 10.5 : CT.....	Economic Opportunity Office. Laws.
PrEx 10.7/2 : v.nos.& nos.....	News summary of war on poverty (weekly).
PrEx 10.9/2 : v.nos.& nos.....	Communities in action [periodical account of war on poverty] (irregular).
PrEx 10.11 : CT.....	Addresses.
PrEx 10.12 : nos.....	Project Head Start (series).
PrEx 10.12/2 : nos.....	Head Start newsletter (irregular).
PrEx 10.13 : Reserved	
PrEx 10.14 : v.nos.& nos.....	Rural opportunities.
PrEx 10.15 : CT.....	Bibliographies and lists of publications.
PrEx 10.16 : v.nos.& nos.....	Advisory, monthly newsletter from Office of National Councils and Organizations to advisory councils.
S 1.124 : nos.....	State Department. Center for International Systems Research : Occasional papers.
S 18.6 : CT.....	International Development Agency. Regulations, rules, and instructions.
S 18.6/2 : date.....	Agency for International Development procurement regulations.
S 18.34 : nos.....	Food for peace, monthly newsletter about activities under PL 480.
	NOTE.—See, for earlier class, PrEx 1.9/2 : (nos.).
S 18.35 : date.....	Index to Catalog of investment information and opportunities.
S 18.35/2 : nos.....	Catalog of investment information and opportunities, I.P. supplements.
S 18.35/3 : CT.....	Catalog of investment information opportunities index, supplements.
SI 1.22 : nos.....	Smithsonian Institution. Publications in salvage archeology.
SI 3.11 : v.nos.....	National Museum. Smithsonian contributions to anthropology.
T 1.41 : 42 : Reserved	
T 1.43 : date.....	Treasury Department. Progress in management improvement (annual).
T 12.16/a : CT.....	Comptroller of Currency. National banking review (separates).
T 47.50/2 : date.....	Coast Guard. Bibliography of publications for public education and membership training.
T 66.6/2 : CT.....	Savings Bonds Division. Handbooks, manuals, guides.
TC 1.26/2 : sched.& v.nos.....	Tariff Commission. Summaries of trade and tariff information.
TC 1.36 : date.....	Imports of benzenoid chemicals and products.
VA 1.43/3 : date.....	Veterans Administration. Highlights of VA medical research.
VA 1.43/4 : date.....	Medical research program.



## United States Advisory Commission on International Educational and Cultural Affairs.

Y 3.Ad 9/9 : 3 to Y 3.Ad 9/9 : 8

Reserved

Y 3.Ad9/9 : 9/date-----

International educational and cultural exchange.

NOTE.—See, for earlier class, Y 3.Ad 9/9 : 2 In 8.

Y 3.Ap 4 : Reserved

Appalachian Regional Commission.

Y 3.Ap 4/2 : 1/date-----

Report.

Y 3.Ap 4/2 : 2 CT-----

General publications.

Battle of New Orleans Sesquicentennial Celebration Commission.

Y 3.B 32 : 1/date-----

Reports.

Civil War Centennial Commission.

Y 3.C49/2 : 9/v.nos-----

Military operations of the Civil War, guide index to Official records of Union and Confederate armies, 1861-65.

Y 3.C49/2 : 9a/letters-----

—:(separates by section).

Equal Employment Opportunity Commission.

Y 3.Eq2 : 1/date-----

Report.

Y 3.Eq2 : 2 CT-----

General publications.

Y 3.Eq2 : 3-6 Reserved

Y 3.Eq2 : 7/date-----

Press releases.

Y 3.Eq2 : 8 Reserved

Y 3.Eq2 : 9/v.no.-no-----

Newsletter from Equal Employment Opportunity Commission (irregular).

Y 3.Eq2 : 10/date-----

Digest of legal interpretations issued or adopted by Commission (quarterly).

Export-Import Bank of Washington.

Y 3.Ex7/3 : 6 to Y 3.Ex7/3 : 8

Reserved

Y 3.Ex7/3 : 9 CT-----

Addresses.

Maritime Advisory Committee.

Y 3.M 33 : 1/date-----

Report.

Y 3.M 33 : 2 CT-----

General publications.

National Commission on Food Marketing.

Y 3.N21/22 : 1/date-----

Report.

Y 3.N21/22 : 2 CT-----

General publications.

Y 3.N21/22 : 3 to Y 3.N21/22 : 8  
Reserved

Y 3.N21/22 : 9/nos-----

Technical studies.

Subversive Activities Control Board.

Y 3.Su 1 : 8-2/v.nos-----

Reports of Subversive Activities Control Board (bound volumes).

Y 3.W58/10 : Reserved

White House Conference on International Cooperation.

Y 3.W58/11 : 1/date-----

Report.

Y 3.W58/11 : 2 CT-----

General publications.

White House Conference on Natural Beauty.

Y 3.W58/12 : 1/date-----

Report.

Y 3.W58/12 : 2 CT-----

General publications.

Y 3.W58/12 : 3-6 Reserved

Y 3.W58/12 : 7/date-----

Press releases.

White House Conference on Equal Employment Opportunity.

Y 3.W58/13 : 1/date-----

Report.

Y 3.W58/13 : 2 CT-----

General publications.

White House Conference on Health.

Y 3.W58/14 : 1/date-----

Report.

Y 3.W58/14 : 2 CT-----

General publications.

White House Conference, To Fulfill These Rights.

Y 3.W58/15 : 1/date-----

Report.

Y 3.W58/15 : 2 CT-----

General publications.

Standards and Conduct, Select Committee on, Senate.

Y 4.St 2/2 : CT-----

Publications.

## Discontinued Series

## Forest Service.

- A 13.64/7 : v.nos.& nos.----- Caribbean forester (semiannual).  
NOTE.—Discontinued with V.24, no. 2, 1963.

## Census Bureau.

- C 3.164 : 380/date----- [Foreign trade report] : FT 380, U.S. imports by air, general imports of merchandise, commodity by country (monthly).

NOTE.—Discontinued with issue for calendar year 1964; beginning Jan. 1965, replaced by FT 785, U.S. exports and imports by air, C 3.164 : 785/ (date).

- C 3.164 : 390/date----- : FT 390, U.S. imports by air, general imports of merchandise, country by commodity (monthly).

NOTE.—Discontinued with issue for calendar year 1964; beginning Jan. 1965, replaced by FT 785 U.S. exports and imports by air, C 3.164 : 785/ (date).

- C 3.164 : 780/date----- : FT 780, U.S. exports by air, commodity by country (monthly).

NOTE.—Discontinued with issue for calendar year 1964; beginning Jan. 1965, replaced by FT 785, U.S. exports & imports by air, C 3.164 : 785/ (date).

- C 3.164 : 790/date----- : FT 790, U.S. exports by air, country by commodity (monthly).

NOTE.—Discontinued with issue for calendar year 1964; beginning Jan. 1965, replaced by FT 785, U.S. exports & imports by air, C 3.164 : 785/ (date).

## National Bureau of Standards.

- C 13.22/sec. D ; v.nos.& nos.----- Journal of research: sec. D, Radio science (monthly).

NOTE.—Discontinued with v. 69, no. 12, Dec. 1965. Replaced by Radio science, published by Environmental Science Services Administration, C 52.9 : (v.nos.& nos.)

## Weather Bureau.

- C 30.54/3 : date----- Daily weather and river bulletin, [Houston, Tex., area].

NOTE.—Discontinued with Feb. 28, 1966 issue.

- C 30.54/6 : date----- [Little Rock, Ark., area].

NOTE.—Discontinued with Feb. 20, 1965 issue.

- C 30.54/9 : date----- [Montgomery, Ala., area].

NOTE.—Discontinued with Apr. 30, 1965 issue.

- C 30.54/11 : date----- [Sacramento, Calif., area].

NOTE.—Discontinued with Aug. 10, 1965 issue.

- C 30.54/13 : date----- Daily river and rainfall bulletin, [Vicksburg, Miss., area].

NOTE.—Discontinued with July 16, 1965 issue. Combined with Daily weather and river bulletin. [Memphis, Tenn., area], beginning July 19, 1965 issue, C 30.54/7 : (date).

## Area Redevelopment Administration.

- C 46.19 : date----- Accelerated public works program, directory of approved projects (quarterly).

NOTE.—Discontinued with 13th report, July 1, 1964.

## U.S. Antarctic Projects Officer.

- D 1.32/2 : v.nos.& nos.----- Bulletin of U.S. Antarctic Projects Officer (monthly).

NOTE.—Discontinued with v. 6, no. 7.

- FR 1.24/2: date----- Federal Reserve System Board of Governors.  
Weekly department store sales, selected cities  
and areas.  
NOTE.—Discontinued with Feb. 4, 1966 issue.
- FR 1.24/3: date----- Monthly department store sales, selected cities  
and areas.  
NOTE.—Discontinued with issue for Jan. 1966.
- FR 1.34/3: date----- Department store credit (monthly).  
NOTE.—Discontinued with issue for Jan. 1966.
- FR 1.41: date----- Retail furniture report (monthly).  
NOTE.—Discontinued with issue for Jan. 1966.
- IC 1.val. 9: v.nos----- Interstate Commerce Commission.  
Valuation reports.  
NOTE.—Discontinued with v. 57, Decisions of  
Interstate Commerce Commission, Mar. 1960–Mar.  
1964.
- L 1.9/3: date----- Labor Department.  
Labor charts from Department of Labor  
(monthly).  
NOTE.—Discontinued with May 1965 issue.
- L 2.84: date----- Labor Statistics Bureau.  
Monthly report on labor force, employment, un-  
employment, hours and earnings.  
NOTE.—Discontinued as separate publication  
with Jan. 1966 issue, which gives data for Dec.  
1965. Combined with Employment and earnings,  
L 2.41/2:, beginning with v. 12, no. 8, Feb. 1966.
- Pr Ex 10.9: v.nos.& nos----- Economic Opportunity Office.  
Communities in action, published as informa-  
tion service in War on Poverty by Commu-  
nity Action Program of Office of Economic  
Opportunity (irregular).  
NOTE.—Discontinued with v. 1, no. 4, Aug. 1965.
- SBA 1.20: nos----- Small Business Administration.  
Small business research series.  
NOTE.—Discontinued with no. 4, 1964.
- SBA 1.20/2: date----- Suggested research topics.  
NOTE.—Discontinued with issue of Sept. 1961.
- Y 3.C 49/2:8/v.nos.& nos----- Civil War Centennial Commission.  
100 years after [newsletter] (monthly).  
NOTE.—Discontinued with v. 8, no. 6, June 1965.

### Corrections for Previous Monthly Catalogs

- Oct. 1965. Entry 16598, Apollo experiments guide. Correct class to read NAS 1.18: Ap 4/2.
- Jan. 1966. Entry 624, Analysis of advertising expenditures by corporation marketing food and kindred products, 1950–64. Correct ERS-number to read 251.
- Entry 1176, Apollo configuration management manual. Correct class to read NAS 1.18: Ap 4.
- Sept. 1966. Entry 13034, Partners of the Alliance, Subcommittee on Inter-American Affairs, June 27, 1966. Correct class to read Y 4.F 76/1: P 25. This is a duplicate of Entry 11653 in the August 1966 Monthly Catalog.
- Entry 13218, Palo Verde lands, hearing. Correct class to read Y 4.In 8/13: P 18/966.



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## ADVISORY COMMISSION ON INTERGOVERNMENTAL RELATIONS Washington, D.C. 20575

- 16915 Information report, metropolitan councils of governments [with selected bibliography]; prepared by Royce Hanson. Aug. 1966. vii+69 p. 4° (M-32.) † • Item 1049-D  
L.C. card 66-62998 Y 3.Ad 9/8: 2 M 56/4
- 16916 1967 State legislative program of Advisory Commission on Intergovernmental Relations. Sept. 1966. viii+600+[1] p. (M-33). [Edge index and how to use on p. 4 of cover.] † • Item 1049-D  
L.C. card 65-60443 Y 3.Ad 9/8: 2 L 52/967

## AGRICULTURAL RESEARCH SERVICE, Agriculture Dept. Washington, D.C. 20250

- 16917 General catalogue of Homoptera : fascicle 6, Cicadelloidea, pt. 15, Iassidae; by Z. P. Metcalf. Oct. 1966. [2]+229 p. [Contribution from Entomology Department, North Carolina Agricultural Experiment Station, Raleigh, N.C., catalogued as Paper 1603.] \* Paper, 65c. • Item 25-C  
L.C. card 28-7846 A 77.20: 6/pt. 15
- 16918 Index-catalogue of medical and veterinary zoology: Supp. 15, Parasite-subject catalogue, hosts; by Judith M. Humphrey [and others]. Sept. 1966. viii+149 p. 4° (Beltsville Parasitological Laboratory, Animal Disease and Parasite Research Division.) \* Paper, 75c. • Item 31  
L.C. card 63-65031 A 77.219/2: 15/host

## AGRICULTURE DEPARTMENT Washington, D.C. 20250

NOTE.—Requests to the Department of Agriculture for publications should include the USDA number if given in the entry.

### Agriculture handbooks. • Item 3 A 1.76:(nos.)

- 16919 230. Farmer's handbook of financial calculations and physical measurements; [prepared by Ralph R. Botts]. [Revised Nov. 1966.] [1966.] cover title, ii+54 p. il. 4° (Farm Production Economics Division, Economic Research Service.) [Text on p. 2-4 of cover.] \* Paper, 35c.  
L.C. card Agr 66-352
- 16920 303. Market diseases of asparagus, onions, beans, peas, carrots, celery, and related vegetables [with list of literature cited; by Marion A. Smith, Lacy P. McColloch, and Bernard A. Friedman]. Sept. 1966. iv+65 p. 17 pl. (Agricultural Research Service, Market Quality Research Division.) [Supersedes Miscellaneous publication 440. Some plates are colored.] \* Paper, 60c.  
L.C. card Agr 66-357
- 16921 325. Handbook of agricultural charts, 1966. [Oct. 1966.] cover title, 155 p. il. (Economic Research, Statistical Reporting Agricultural Research, Foreign Agricultural Services.) \* Paper, 45c.  
L.C. card 64-62697

### Agriculture information bulletin. • Item 4

- 16922 305. Your water supply and forests. [Aug. 1966.] [2]+17 p. il. 12° [Supersedes Leaflet 282, Know your watersheds.] \* Paper, 15c.  
L.C. card Agr 66-353 A 1.75: 305

♠For Sale by Clearinghouse, U.S. Department of  
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Page 1

# GOVERNMENT PUBLICATIONS

## Farmers' bulletins. • Item 9

A 1.9: (nos.)

- 16923 2133. Growing safflower, oilseed crop; [prepared by Crops Research Division, Agricultural Research Service]. [Revised June 1966.] [1966.] [2]+14 p. il. \* Paper, 10c.  
L.C. card Agr 66-233
- 16924 2202. Simple plumbing repairs for home and farmstead; [prepared by Agricultural Engineering Research Division, Agricultural Research Service]. [Sept. 1964, slightly revised Sept. 1966.] [1966.] 16 p. il. [Supersedes Farmers' bulletin 1460, Simple plumbing repairs in home.] \* Paper, 10c.

## Home and garden bulletin. • Item 11

- 16925 78. Storing perishable foods in home; [prepared by Human Nutrition Research Division, Agricultural Research Service]. [1961, slightly revised Oct. 1966.] [1966.] 12 p. il. [Includes list of publications on storing and preserving foods available from Agriculture Dept.] \* Paper, 10c.  
L.C. card Agr 66-351 A 1.77: 78/2

## Leaflets. • Item 12

A 1.35: (nos.)

- 16926 437. Anaplasmosis in cattle; [prepared by Animal Disease and Parasite Research Division and Entomology Research Division, Agricultural Research Service]. [Revised Sept. 1966.] [1966.] 4 p. il. \* Paper, 5c.
- 16927 537. Raising a few hogs. [May 1966, slightly revised Oct. 1966.] [1966.] 8 p. il. (Animal Husbandry Research Division, Agricultural Research Service.) \* Paper, 5c.

## Marketing research reports.

A 1.82: (nos.)

- 16928 756. Appearance and decay of strawberries, peaches, and lettuce treated with ozone [with list of literature cited; by Donald H. Spalding]. [Oct. 1966.] [3]+11 p. il. 4° (Agricultural Research Service.) \* Paper, 15c.  
L.C. card Agr 66-358
- 16929 769. Comparison of for-bire motor carriers operating under agricultural exemption with regulated motor carriers [with list of literature cited; by W. Miklius]. [Aug. 1966.] 20 p. il. 4° (Economic Research Service.) \* Paper, 15c. • Item 13-B  
L.C. card Agr 66-260
- 16930 776. Packer feeding of cattle, its volume and significance; [by Arnold Aspelin and Gerald Engelman]. Nov. 1966. [2]+34 p. il. 4° (Packers and Stockyards Division, Consumer and Marketing Service.) † • Item 13-B

## Miscellaneous publications. • Item 13-A

A 1.38: (nos.)

- 16931 1015. Annotated list of generic names of scale insects (Homoptera: Coccoidea); compiled by Harold Morrison and Emily R. Morrison. Oct. 1966. vi+206 p. (Agricultural Research Service.) \* Paper, 55c.  
L.C. card Agr 66-355
- 16932 1036. Farrow-to-finish swine unit. Sept. 1966. [2] p. il. 4° (Cooperative farm building plan exchange; plan 5993.) \* Paper, 5c.
- 16933 1037. Free-stall dairy system for 101 cows. Sept. 1966. [2] p. il. 4° (Cooperative farm building plan exchange, plan 5985.) \* Paper, 5c.
- 16934 1046. Research data on minority groups, annotated bibliography of Economic Research Service reports, 1955-65; [compiled by Vera J. Banks, Elsie S. Manny, and Nelson L. LeRoy]. [Nov. 1966.] ii+26 p. 4° (Economic Research Service.) \* Paper, 20c.  
L.C. card Agr 66-354

## PA [program aid] (series). • Item 14-A

A 1.68: (nos.)

- 16935 457. Forestry activities, guide for youth group leaders. [June 1961, slightly revised Oct. 1966.] [1966.] 31 p. il. oblong 24° (Forest Service.) [Includes list of materials to help teach forest conservation. Supersedes PA-387, Forestry activities, guide for boy scout leaders.] \* Paper, 15c.
- 16936 708. How to use USDA grades in buying food, dairy products, poultry, fruit and vegetables, eggs, meat. [June 1966.] [12] p. il. narrow 8° (Consumer Marketing Service.) [Supersedes Home & garden bulletin 58, Shoppers guide to U.S. grades for food.] \* Paper, 10c.
- 16937 764. Lunch at school, serves the nation, 20 years of progress in National school lunch program. Aug. 1966. [16] p. il. (Consumer and Marketing Service.) [Supersedes PA-469, National school lunch program, 15 years of progress.] †  
L.C. card Agr 66-349
- 16938 770. Multiple use management, forest conservation for growing nation. Sept. 1966. [8] p. il. narrow 8° (Forest Service.) †
- 16939 780. USDA helps expand outdoor recreation for fun and profit. Oct. 1966. 16 p. il. oblong 8° (Office of Information.) [Supersedes Accelerating rural outdoor recreation on public and private lands.] †
- 16940 Protecting our food [yearbook of agriculture 1966; Jack Hayes, editor]. [1966.] xiii+[15]+386 p. il. [Illustrated lining papers attached to front and back covers. Yearbook is made up of signed articles. Also issued as H. doc. 349, 89th Cong., 2d sess.] \* Cloth, \$2.50. • Item 17  
L.C. card Agr 66-345 A 1.10: 966

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Statistical bulletin. ● Item 15

- 16941 379. Feed consumed by various classes of livestock, by States, 1949-50 and 1959-60, with 1964-65 national estimates and comparisons; [by George C. Allen and Earl F. Hodges]. [Oct. 1966] iv+50 p. il. 4° (Economic Research Service.) \* Paper, 35c.  
L.C. card Agr 66-321 A 1.34: 379

Technical bulletins. ● Item 16

A 1.36: (nos.)

- 16942 1356. Building decay associated with rain seepage [with list of literature cited]; by Arthur F. Verrall. Sept. 1966. ii+58 p. il. (Forest Service.) \* Paper, 25c.  
L.C. card Agr 66-340
- 16943 1359. Lint cleaning at cotton gins, effects of fiber moisture and amount of cleaning on lint quality; [by Gino J. Mangialardi, jr., and Anselm C. Griffin, jr.]. [Aug. 1966.] iii+24 p. il. (Agricultural Research Service.) \* Paper, 15c.  
L.C. card Agr 66-341

AIR FORCE DEPARTMENT, Defense Dept.  
Washington, D.C. 20330

Air Force manual AFM (series). ● Item 421

- 16944 50-25. Small arms ranges [with list of references; Sept. 15, 1966]. [1966.] cover title, iii+111 p. il. 4° ([Air Training Command.]) [Issued in looseleaf form. Supersedes AFM 50-25, May 6, 1963.] ‡ D 301.7: 50-25/2
- 16945 78-43. See Defense Department, Defense Supply handbook DSAH 4215.27.
- 16946 88-40, chap. 21. See Army Department, Technical manual 5-886-3.
- 16947 88-40, chap. 46. See Army Department, Technical manual 5-892-6.

Air Force technical order TO (series).

- 16948 13C7-22-41. See Army Department, Technical manual 10-500-92.

Electronic Systems Division: Technical report ESD-TR (series). (Air Force Systems Command, L. G. Hanscom Field, Bedford, Mass.)

- 16949 66-278. Effect of context on recall and recognition of long verbal series [with list of references; by] William H. Sumby. June 1966. iii+15+2 p. il. 4° ([Decision Sciences Laboratory]; project 7682, task 768201.) ‡  
D 301.45/28: 66-278

Personnel Research Laboratory: Technical report PRL-TR (series). (Aerospace Medical Division, Air Force Systems Command, Lackland Air Force Base, Tex.)

- 16950 66-3. Evaluation of airman jobs by 4 categories of raters [with list of references]; by Joe T. Hazel, Douglas K. Cowan. June 1966. vi+24+[2] p. il. 4° ([Project 7734, task 773402.]) ‡  
D 301.45/27: 66-3

AIR TRAFFIC SERVICE, Federal Aviation Agency  
Washington, D.C. 20553

- 16951 Facility operation handbook, ATP 7230.1A, [Change] 14; [July 27, 1966]. [1966.] [74] p. il. 4° [Effective date Oct. 1, 1966; cancellation date Apr. 1, 1967. Issued in looseleaf form.] ‡ ● Item 431-D-1  
FAA 3.8: F 11/964/ch.14

- 16952 International flight information manual, v. 14, Apr. 1966, amdt. 2; Oct. 1966. [1966.] [68] p. il. 4° (Flight Information Division, National Flight Data Center (AT-430).) [Issued in looseleaf form.] \* Paper, \$1.25 (including basic manual and supplementary service for 1 year); 25c. additional for foreign mailing. ● Item 431-C-18  
FAA 3.13: 14/amdt.2

- 16953 Service A weather schedules, 7330.5 [Change] 1; [July 15, 1966]. [1966.] [113] p. il. 4° [Effective date Oct. 1, 1966; cancellation date Dec. 1, 1966. Issued in looseleaf form.] ‡ ● Item 431-D-1  
FAA 3.8: W 37/966/ch.1

APPRENTICESHIP AND TRAINING BUREAU, Labor Dept.  
Washington, D.C. 20210

- 16954 Careers in apprenticeship. [1966.] 10 p. [Issued jointly by Education Office, Health, Education, and Welfare Dept., and Manpower Administration, Labor Dept.] ‡ ● Item 748  
L 23.2: C 18/966

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# GOVERNMENT PUBLICATIONS

## ARMY DEPARTMENT, Defense Dept. Washington, D.C. 20310

### AMC pamphlet. (Army Materiel Command.) ● Item 322-A

- 16955 700-2. Logistics: Guide for preparation and review of machine tool replacement analysis work sheets. July 1966. cover title, iii+6+77+[5] p. il. 4° [Issued with perforations.] ‡  
L.C. card 66-65733 D 101.22/3:700-2

### Cold Regions Research & Engineering Laboratory, Hanover, N.H.: Research report. (Army Materiel Command.)

- 16956 202. Heat of freezing and melting of sea ice [with list of literature cited]: by Duwayne Anderson. July 1966. iv+15+[2] p. il. 4° ‡  
D 103.33/3:202

### — Technical reports. (Army Materiel Command.) ‡ D 103.33:(nos.)

- 16957 12, v. 20. Bibliography on snow, ice and frozen ground, with abstracts [prepared by Frank M. Marson, and others]. June 1966. [1]+iv+342 p. 4° [Includes abstracts SIP 23001-24200.]  
L.C. card 53-60024 rev.
- 16958 178. Defining cold regions of Northern Hemisphere [with list of literature cited]; by Roy B. Bates and Michael A. Bilello. June 1966. iv+11+[2] p. il. 4°

### Field manual FM (series). ‡ ● Item 324

- 16959 19-1. Military police support, Army divisions and separate brigades [with list of references]. July 1966. cover title, 58 p. il. 4° [Issued with perforations.]  
D 101.20:19-1

### Pamphlets. ● Item 327

D 101.22:(nos.)

- 16960 210-1. United States Army installations and major activities in continental United States. Sept. 1966. cover title, 19 p. 4° [Issued with perforations. Supersedes DA pamphlet 210-1, Nov. 1, 1965.] \* Paper, 20c.  
L.C. card 55-63776
- 16961 550-104. Human factors considerations of undergrounds in insurgencies, primary research responsibility; [by] Andrew R. Molnar, with research collaboration of Jerry M. Tinker and John D. LeNoir. [1966.] x+291 p. il. 4° [Prepared by Special Operations Research Office, American University.] ‡  
L.C. card 66-62974

- 16961A Proceedings of timers for ordnance symposium sponsored by Harry Diamond Laboratories, Nov. 15-16, 1966, v. 2 [with lists of literature cited]. [1966.] iv+342 p. il. 4° (Army Materiel Command, Harry Diamond Laboratories.) ‡ ● Item 359  
L.C. card 66-62962 D 105.2:T 48/v.2

### Technical manual TM (series). ● Item 329

D 101.11:(nos.)

- 16962 5-805-12. X-ray shielding [with list of references]. Aug. 1966. cover title, 22+[1] p. il. 4°. [Issued with perforations.] ‡
- 16963 5-886-3. Subsurface drainage facilities, emergency construction [with list of references]. Sept. 1966. cover title, 23+[1] p. il. 4° (Air Force manual, AFM 88-40, chap. 21.) [Issued in looseleaf form.] ‡
- 16964 5-892-6. Calculation methods for determination of depths of freeze and thaw in soils, emergency construction [with list of references]. Sept. 1966. cover title, 76 p. il. 4° (Air Force Dept.; Air Force manual AFM 88-40, chap. 46.) [Issued with perforations.] ‡  
L.C. card 66-62951
- 16965 10-500-92. Airdrop of supplies and equipment: Rigging ENTAC missile system [with list of references]. Aug. 1966. cover title, 25+[1] p. il. 4° (Air Force Dept., Technical order TO 13C7-22-41.) [Issued in looseleaf form.] ‡
- 16966 10-1101. Petroleum handling equipment and operations, Change 2. Oct. 3, 1966. 1 p. 4° ‡

### USAPRO technical research report. (Army Personnel Research Office.)

- 16967 1145. Human factors research in command information processing systems [with selected bibliography]; by S. Ringel, F. L. Vicino, and R. S. Andrews. Mar. 1966. [8]+22 p. il. 4° (Support Systems Research Laboratory; Army project 2J024701A723, command systems.) Φ (Price upon application, AD 634 313).  
D 101.60/2:1145

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ARMY MEDICAL SERVICE, Defense Dept.  
Washington, D.C. 20310

- 16968 Annual report, Surgeon General, Army, fiscal year 1962; prepared and published by Historical Unit. [1966.] viii+201 p. il. ‡ ● Item 349-C  
L.C. card 56-60477 D 104.1 : 962
- 16969 Medical Department, Army: Radiology in World War II [articles, with lists of references]; editor in chief, Arnold Lorentz Ahnfeldt, editor for radiology, Kenneth D. A. Allen, associate editor, Elizabeth M. McFetridge, Mindell W. Stein. 1966. xliii+1087 p. il. large 8° (Office of Surgeon General.) [Prepared by Historical Unit, Army Medical Service.] \* Cloth, \$8.25. ● Item 352-A  
L.C. card 65-60003 D 104.11 : R 11

ATOMIC ENERGY COMMISSION  
Washington, D.C. 20545

AEC research and development reports. Y 3.At 7: 22/(letters-nos.)

- 16970 K-OA-1313. Tables of 10-10 uranium unit cost components. [1966.] cover title, [1]+87 p. 4° ([Union Carbide Corporation, Oak Ridge Gaseous Diffusion plant; contract W7405eng 26.]) ‡ Paper, \$3.00.
- 16971 NYO-3330-11. Nuclear radiation processing of optical maser materials; by Henry Sadowski, Kalman Held, James Beckerley. Mar. 17, 1966. cover title, vii+101 p. il. 4° (Radioptics, Inc., Plainview, N.Y.: [contract AT(30-1)-3330].) ‡ Paper, \$4.00.
- 16972 PNE-603F. Plowshare, peaceful uses for nuclear explosives. Plowshare program, Project Dugout, Nevada test site, June 24, 1964, final report: Surface motion measurements [with list of references; by] R. W. Terhune. Aug. 2, 1966. cover title, v+116 p. il. 4° (Lawrence Radiation Laboratory.) ‡ Paper, \$2.00.
- 16973 PNE-715F. Plowshare, civil, industrial and scientific uses for nuclear explosives, Project Sulky, Nevada test site, Dec. 18, 1964, final report: Off-site surveillance. Aug. 5, 1966. cover title, [2]+12 p. il. 4° (Public Health Service, [Southwestern Radiological Health Laboratory, memorandum of understanding SF 54 373].) ‡ Paper, \$1.00.
- 16974 PNE-717F. Same: On-site radiological safety; [compiled and edited by] Leslie McClendon. Aug. 5, 1966. cover title, [1]+vi+52 p. il. 4° (Reynolds Electrical & Engineering Co., Inc., Mercury, Nev.: contract AT (29-2)-162.) ‡ Paper, \$2.00.
- 16975 PNE-718F. Same: Federal Aviation Agency airspace advisory. Aug. 5, 1966. cover title, ii+7 p. il. 4° [Page 7, distribution list, is on p. 3 of cover.] ‡ Paper, \$1.00.
- 16976 TID-4577 (rev. 2). Descriptive cataloging guide. July 1966. cover title, ii+79 p. il. 4° ‡ Paper, \$1.00.
- 16977 Chemistry at Brookhaven, remarks by Glenn T. Seaborg, Chairman, Atomic Energy Commission at dedication of new chemistry building, Brookhaven National Laboratory, Upton, N.Y., Oct. 14, 1966. 1966. 14 p. 4° (S-35-66.) ‡ Y 3.At7: 34 Se 1/116
- 16978 1966 financial report. [1966.] vi+50 p. il. 4° (Office of Controller.) \* Paper, 50c. ● Item 1051-M  
L.C. card 58-60169 Y 3.At7: 39/966
- 16979 Goals in public understanding of science, remarks by Glenn T. Seaborg, Chairman of Atomic Energy Commission at Arches of Science award banquet, Seattle, Wash., Oct. 19, 1966. 1966. 10 p. 4° (S-36-66.) ‡
- 16980 Nuclear fuel reprocessing, its role and responsibility, remarks by Glenn T. Seaborg, Chairman, Atomic Energy Commission at dedication of Nuclear Fuel Services, Inc., Nuclear Fuel Reprocessing Plant, West Valley, N.Y., Oct. 14, 1966. 1966. 5 p. 4° (S-34-66.) ‡ Y 3.At7: 34 Se 1/115
- 16981 Peaceful environment of the atom, remarks by Samuel M. Nabrit, Commissioner, Atomic Energy Commission, before Fourth Degree, Knights of Columbus of Northern Virginia, Arlington, Va., Oct. 8, 1966. 1966. 13 p. (S-33-66.) ‡ Y 3.At7: 34N11

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# GOVERNMENT PUBLICATIONS

## AVIATION MEDICINE OFFICE, Federal Aviation Agency Washington, D.C. 20553

Aviation medical report AM (series). Φ (Price upon application).

FAA 7.12: (nos.)

- 16982 66-17. Problems in aeromedical certification, cardiovascular response to exercise following myocardial infarction [with list of references; by] J. Naughton [and others]. June 1966. [4]+5+[2] p. il. 4°
- 16983 66-21. Clinical aviation medicine, physical-conditioning program for cardiac patients, progress report [with list of references; by] John Naughton, Michael T. Lategola, Kamal Shanbour. June 1966. [4]+9+[2] p. il. 4°
- 16984 66-27. Human factors in general aviation accidents [with list of references; by] J. Robert Dille, Edward W. Morris. July 1966. [4]+7+[2] p. il. 4°

## BONNEVILLE POWER ADMINISTRATION, Interior Dept. Portland, Oreg. 97208

- 16985 Generation and sales statistics, fiscal year 1966. [Aug. 24, 1966.] 6 p. il. 4° ([Branch of Customer Service, Rates & Statistics.]) [Page 4-6 issued as leaves.] †  
L.C. card 54-61687 I 44.8:966

## BUDGET BUREAU, Executive Office of the President Washington, D.C. 20503

- 16986 Federal planning-programming-budgeting system, remarks of Frank W. Krause, Bureau of Budget, at AFAFC and FGAA Accounting Symposium, Denver, Colo., Feb. 4, 1966. [1966.] 12+[3] leaves, 4° †  
PrEx 2.15: K 86
- 16987 Instructions to travelers on use of foreign currencies in Burma, Brazil, Bolivia, Ceylon, Congo (Kinshasa), Finland, Guinea, India, Israel, Indonesia, Morocco, Poland, Pakistan, Paraguay, Sudan, Syria, Turkey, Tunisia, U.A.R. (Cairo), Yugoslavia. Aug. 1966. 4 p. il. † ● Item 856  
PrEx 2.6: T 69/2

## BUSINESS AND DEFENSE SERVICES ADMINISTRATION, Commerce Dept., Washington, D.C. 20230

- 16988 Anti-friction bearings, manufacturers shipments unfilled orders, 1965; [prepared by General Industrial Equipment and Components Division]. [1966.] [2] p. oblong large 8° folded into 4° size. † Paper, 10c.  
C 41.2: B 38/965
- 16989 BDSA Executive Reserve. [1966.] cover title, 16 p. narrow 8° †  
● Item 215 C 41.2: Ex 3
- 16990 Guide to Negro marketing information; [prepared by Emmer Martin Lancaster]. Sept. 1966. v+50 p. ([Office of Marketing and Services.])  
\* Paper, 40c. ● Item 215-G  
L.C. card 66-65715 C 41.6/9: N 31

## CENSUS BUREAU, Commerce Dept. Suitland, Md. 20233

- 16991 Announcement and order form, 1963 census of manufactures, final subject reports. Sept. 1966. [2] p. narrow f° folded into oblong 48° size. (Series MC63 (1) ; Form BC-1362.) †  
C 3.24/10: 963-3
- 1963 census of manufactures [Area statistics] MC63 (3)-(series). [Prepared in Industry Division. Preprint of corresponding chapter of v. 3. Area statistics.] ● Item 137 C 3.24/3: 963/(nos.)
- 16992 2. Alaska. [Aug. 1966.] cover title, vi+12 p. il. 4° \* Paper, 25c.
- 16993 5. California. [Sept. 1966.] cover title, vi+40 p. il. 4° [Text on p. 2 of cover.] \* Paper, 40c.
- 16994 22. Massachusetts. [Sept. 1966.] cover title, vi+32 p. il. 4° \* Paper, 35c.
- 16995 35. North Dakota. Sept. 1966. cover title, vi+16 p. il. 4° \* Paper, 25c.

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— [Special report] MC63(S)-(series). • Item 135

C 3.24/15:963:(nos.)

- 16996 4.7. Location of manufacturing plants by county, industry and employment size: pt. 7, West South Central division; Arkansas, Louisiana, Oklahoma, Texas. [Aug. 1966.] cover title, iv+71 p. 4° \* Paper, 50c.  
L.C. card A66-7828
- 16997 4.9. Location of manufacturing plants by county, industry, and employment size: pt. 9, Pacific division, Washington, Oregon, California, Alaska, Hawaii. [Aug. 1966.] cover title, iv+55 p. 4° \* Paper, 45c.  
L.C. card A66-7828

16998 1963 census of transportation: v. 3, Commodity transportation survey.

• Item 160-D

pt. 1. Commodity groups. [Oct. 1966.] cover title, ii+137 p. il. 4° (TC63-C3-1: [Transportation Division].) \* Paper, \$1.00.  
L.C. card A65-7762 C 3.233/3:963/v. 3/pt. 1

County business patterns, CBP (series). [Prepared in cooperation with Social Security Administration.] • Item 133-A

L.C. card 49-45747

C 3.204:(nos.)

- 16999 65-4. Arizona, 1965. [Sept. 1966.] cover title, viii+33 p. il. 4° [Text on p. 2 of cover.] \* Paper, 35c.
- 17000 65-20. Louisiana, 1965. [Oct. 1966.] cover title, viii+79 p. il. 4° [Text on p. 2 of cover.] \* Paper, 40c.
- 17001 65-28. Montana, 1965. [Sept. 1966.] cover title, viii+35 p. il. 4° [Text on p. 2 of cover.] \* Paper, 35c.
- 17002 65-31. New Hampshire, 1965. [Aug. 1966.] cover title, viii+28 p. il. 4° [Text on p. 2 of cover.] \* Paper, 35c.
- 17003 65-38. Oklahoma, 1965. [Oct. 1966.] cover title, viii+72 p. il. 4° [Text on p. 2 of cover.] \* Paper, 55c.
- 17004 65-46. Utah. [Sept. 1966.] cover title, viii+33 p. il. 4° [Text on p. 2 of cover.] \* Paper, 40c.
- 17005 65-47. Vermont. [Aug. 1966.] viii+23 p. il. 4° [Text on p. 2 of cover.] \* Paper, 35c.

17006 Current industrial reports: Clay construction products, summary for 1965, Change sheet. Sept. 12, 1966. 3 p. 4° (Series M32D(65)-13.) †  
• Item 142-A C 3.158: M32D(65)-13/ch.

Current population reports: Series P-20, Population characteristics. \* Paper, \$4.00 (including Series P-20, P-23, P-25, P-27, P-28 summaries, P-60, and P-65 for one year), \$1.25 additional for foreign mailing; single copy, each 15c. • Item 142-C

17007 153. Household and family characteristics, Mar. 1965. Aug. 5, 1966. cover title, ii+30 p. 4° \* Paper, 25c.  
C 3.186: P-20/153

— Series P-25, Population estimates. \* Paper, \$4.00, including Series P-20, P-23, P-25, P-27, P-28 summaries, P-60, and P-65 for one year), \$1.25 additional for foreign mailing; single copy, 15c. • Item 142-C

C 3.186: P-25/(nos.)

- 17008 349. Estimates of population of United States, Jan. 1, 1950-Aug. 1, 1966. Sept. 19, 1966. 2 p. 4°
- 17009 350. Estimates of population of States, by age, July 1, 1965, with provisional estimates for July 1, 1966. Oct. 5, 1966. 4 p. il. 4°

— Series P-28, Special censuses. \* Paper, \$4.00 (including Series P-20, P-23, P-25, P-27, P-28 summaries, P-60, and P-65 for one year), \$1.25 additional for foreign mailing; single copy, each 15c. • Item 142-C

C 3.186: P-28/(nos.)

NOTE.—Only the summaries for Series P-28 are included in the subscription. Censuses for individual cities and towns are sold by the Census Bureau at the prices indicated.

- 17010 1434. Summary of special censuses conducted by Bureau of Census between April 1 and June 30, 1966. Oct. 11, 1966. 5 p. 4°
- 17011 1435. Special census of Erie County, N.Y., Apr. 18, 1966. Oct. 21, 1966. 103 p. 4° † Paper, \$1.00.

Series ISPO 1. (International Statistical Programs Office.)

- 17012 no. 1-F. Atlantida, case study in household sample surveys: Unit 5, pt. A, Field operations, organization, training, and control. [Sept. 1966.] cover title, iv+140 p. il. 4° [Prepared under auspices of Agency for International Development, Department of State, as contribution to Alliance for Progress program.] † Paper, \$1.50. • Item 146-F  
L.C. card A 65-7977 C 3.205/3:1/no. 1-F

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# GOVERNMENT PUBLICATIONS

Supplement to Congressional district data book [districts of 88th Congress], redistricted States. † ● Item 151

L.C. card A 63-7725

C 3.134/2: C 76/963/supp. (nos.)

- 17013 11. Idaho, districts of 90th Congress. June 1966. 6 p. il. 4° †
- 17014 22. Kentucky, districts of 90th Congress. July 1966. 10 p. il. 4°
- 17015 23. North Carolina, districts of 90th Congress. July 1966. 9 p. il. 4°
- 17016 24. Missouri, districts of 90th Congress. Aug. 1966. 12 p. il. 4°
- 17017 25. Ohio, districts of 90th Congress. Aug. 1966. 21 p. il. 4°

- 17018 U.S. commodity exports and imports as related to output 1964 and 1963 series ES 2, no. 7. [1966.] iii+116 p. il. 4° \* Paper, 60c. ● Item 160-B

L.C. card A 62-9090

C 3,229: 7

United States maps, GE-50 (series).

- 17019 11. Congressional districts for 90th Congress (includes redistricting action to Sept. 1, 1966); prepared by Geography Division. Scale 500 m.=6.2 in. 1966. 30 x 42 in. [Albers equal area projection. Congressional district boundaries and numbers from laws supplied by Office of Secretary of State for each State. Issued in colors.] \* Paper, 50c.  
L.C. card Map 66-518

C 3.62/4: 11

## CIVIL DEFENSE OFFICE (Army), Defense Dept. Washington, D.C. 20310

- 17020 Federal civil defense guide: pt. D., chap. 2, app. 2, annex 1, Standard fallout shelter supplies for approved OCD training courses. Sept. 1966. 4 p. 4° [Issued in looseleaf form.] † ● Item 320-B-3

D 119.8/4: pt. D/chap. 2/app. 2/annex 1

- 17021 — pt. E, chap. 5, app. 10, Peacetime radiological incidents (including Annexes 1-4). June 1966. [88] p. il. 4° [Issued in looseleaf form.] † ● Item 320-B-3

L.C. card 65-61505

D 119.8/4: pt. E/chap. 5/app. 10

- 17022 — pt. F, chap. 3, Industrial civil defense. Aug. 1966. [1]+7 p. 4° [Issued in looseleaf form.] † ● Item 320-B-3

D 119.8/4: pt. F/chap. 3

FG (series). † ● Item 320-B-3

D 119.8/3: (letters-nos.)

- 17023 E-13.4. Emergency welfare services manual: Emergency feeding; [prepared by Department of Health, Education, and Welfare, Welfare Administration, Bureau of Family Services and Children's Bureau]. June 1966. iv+10 p. 4° [Text on p. 2 of cover.]

- 17024 E-13.6. Same: Emergency welfare registration and inquiry; prepared by Department of Health, Education, and Welfare, Welfare Administration, Bureau of Family Services, and Children's Bureau. Sept. 1966. iv+13 p. 4° [Issued with perforations.]

- 17025 F-3.3. Industrial civil defense workbook, 1st steps to company survival. [Revised May 1966.] [1966.] iii+28 p. il. [Poster: Civil defense emergency instructions, 6x9 in., attached to p. 2 of cover.]

- 17026 F-3.10. Industrial civil defense management, special instruction for business and industrial executives, OCD Staff College, Battle Creek, Mich. May 1966. [2]+4+[2] p. 4°

[Handbook] H (series). †

D 119.8/2: (nos.)

- 17027 11-B. Organization and use of Community Shelter Planning Policy Council and Technical Advisory Committee [with list of suggested additional reading]; prepared by David S. Brown. [June 1966.] 39 p. il. 12° [Title on cover is: Committees for community shelter planning. Page 39, last page of text, appears on p. 3 of cover.] ● Item 857-D-10

- 17028 15. Basic course in emergency mass feeding [with reference and reading list on emergency mass feedings]. Aug. 1966. [1]+182 p. il. ([ARC-2219A.]) [Developed jointly by Department of Defense, Office of Civil Defense, American National Red Cross, and Welfare Administration, Department of Health, Education, and Welfare. Supersedes PM-1, Jan. 1957.] ● Item 857-D-10

Miscellaneous publication MP (series). ● Item 857-D-11

- 17029 6. Civil defense motion picture catalog. Sept. 1966. [1]+38 p. [Supersedes MP-6, May 1965.] †

L.C. card 59-62340

D 119.11: 6/2

Student manual SM (series). † ● Item 320-B-1

D 119.8/8: (nos.)

- 17030 2.1.2. Nuclear weapons effects (self-teaching materials). July 1966. cover title, 120 p. 4° [Issued with perforations.]  
L.C. card 66-62952

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- 17031 2.1.3. Reading phase 2 printout (self-teaching materials). July 1966. cover title, iv+111 p. il. 4° [Issued with perforations. For use with DOD-OCD publication entitled National fallout shelter survey (report formats and descriptions of content), phase 2, Nov. 1962.]

Technical report TR (series). ● Item 320-B-2

- 17032 39. Fallout shelters. Dec. 1966. 8 p. il. 4° ([Sweets' catalog.]) †  
D 119.9:39

**CIVIL SERVICE COMMISSION**  
Washington, D.C. 20415

- 17033 Amendment to announcement 326B, safety officers (grades 9-12, \$7,696 to \$10,927). Oct. 11, 1966. 1 p. 4° [Amends issue 173 of AN 2279. Cancels amendment dated Apr. 19, 1966.] † CS 1.26:964/326B/amdt.-2
- 17034 Amendment to announcement 350B, mineral specialist (grades 5-12, \$5,331-\$10,927). Oct. 25, 1966. 1 p. oblong 48° † CS 1.26:965/350B/amdt.
- 17035 Announcements WA-6-06 (local), applications continuously accepted for jobs in trades and crafts, equipment operation and repair, at journeyman and junior levels, and for blue collar helper, apply to Interagency Board of U.S. Civil Service Examiners for Washington, D.C., 1900 E. St., NW., Washington, D.C. 20415. Oct. 25, 1966. 4 p. 4° † ● Item 292  
CS 1.26/4:966/WA-6-06
- 17036 Announcing examination for accountant and auditor, \$6,211 and \$7,090 a year (grade GS-5 and GS-7), announcement 188 (revised). Mar. 17, 1959, revised July 1966. [1966.] 8 p. 4° [No closing date.] †  
● Item 292 CS 1.26:959/188/rev.-6
- 17037 Announcing examination for auditor for duty with Army Audit Agency, Auditor General, Navy, Auditor General, Air Force, Auditor General, Defense Supply Agency, Defense Contract Audit Agency, nationwide and overseas and with other Federal Agencies in Washington, D.C., metropolitan area, salaries, grade GS-9, \$7,957, grade GS-11, \$9,221, grade GS-12, \$10,927, announcement 275B. Feb. 13, 1962, revised Oct. 1966. [1966.] 6 p. 4° [No closing date.] † ● Item 292  
CS 1.26:962/275B/rev.-4

**Civil service handbook.**

- 17038 X-118. Qualification standards for classification act positions. [Apr. 1951], reprinted July 1966. cover title, [1080] p. 4° [Includes all changes made in transmittal sheets 1-99. Issued in looseleaf form.] \* Paper, \$9.00 including basic handbook and transmittal sheets for an indefinite period), \$3.00 additional for foreign mailing. ● Item 290-A  
L.C. card 66-65753 CS 1.45:X-118/rep.966
- 17039 Current Federal examination announcements, AN 2279, issue 174, Nov.-Dec. 1966. [1966.] [2] p. f°, folded into narrow 8° size. † ● Item 292  
CS 1.28:2279/174

**Federal employee facts.**

- 17040 6. You and the public, servants of the people. Sept. 1966. [6] p. il. narrow 8°  
\* Paper, \$2.50 per 100, single copy 5c. ● Item 293-A CS 1.59:6

**Federal personnel manual system, FPM supplement. ● Item 294**

- 17041 990-3. National emergency standby regulations and instructions, personnel and manpower. Oct. 1966. [97] p. 4° [Issued in looseleaf form.]  
\* Paper, \$1.50 (including basic volume and supplementary material for an indefinite period); 50c. additional for foreign mailing.  
L.C. card 63-62418 rev. CS 1.41/4:990-3
- 17042 Local and regional civil service examinations offering best job opportunities, AN 2280 [issue 122], Nov.-Dec. 1966. [1966.] [2] p. oblong f°, folded into narrow 8° size. † ● Item 292 CS 1.28:2280/122
- 17043 Manual on fund-raising within Federal service for voluntary health and welfare agencies. May 1963, [reprinted July 1966]. [72] p. 4° (Office of Chairman.) [Includes Changes 1-7. Issued in looseleaf form. Text on p. 2 of cover. The last 4 pages are blank for notes.] \* Paper, \$1.50 (including basic manual and supplementary material for an indefinite period.); 50c. additional for foreign mailing. ● Item 296-B  
CS 1.7/5:963/rep.

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Commerce, Springfield, Va. 22151

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## GOVERNMENT PUBLICATIONS

- Pamphlets. † ● Item 299 CS 1.48: (nos.)
- 17044 5. Thinking about your first job? remember Uncle Sam when it comes to choosing an employer. July 1966. [2] p. oblong 8°, folded into oblong 32° size.
- 17045 12. Veteran preference in Federal employment, handbook for veteran counselors. Sept. 1966. cover title, [2] leaves+38+[1] p. narrow 8° L.C. card 43-50802
- 17046 Sample questions, AN 3626. July 1966. 6 p. 4° [For stenographer and typist examination.] † ● Item 292 CS 1.28: 3626/2
- 17047 Stenographer & typist for positions in Washington, D.C. metropolitan area, including trainee level positions, starting salaries, \$75 and \$92 a week for stenographers, \$69 and \$82 a week for typists, announcement WA-08-6 (local). Sept. 27, 1966. 6 p. 4° il. 4° (Interagency Board of U.S. Civil Service Examiners for Washington, D.C.) [Applications continuously accepted.] † ● Item 292 CS 1.26/4: 966/W-08-6
- 17048 Summer employment opportunities in Federal Government, office and science assistant examination for 1967, announcement 401. Sept. 23, 1966. 6 p. 4° [Closing date Jan. 9, 1967.] † ● Item 292 CS 1.26: 966/401
- 17049 Suspension notice to announcement 324B, program specialist and advisor (\$7,479 to \$17,055, grades 9-15). Oct. 25, 1966. 1 p. oblong 48° (Interagency Board of U.S. Civil Service Examiners.) [Amends issue 173 and 174 of AN 2279.] † CS 1.26: 964/324B/notice

### COAST AND GEODETIC SURVEY, Commerce Dept. Washington, D.C. 20230

- Technical bulletin. ● Item 192-A
- 17050 31. Automatic Standard Magnetic Observatory; [by] L. R. Alldredge and I. Saldukas. June 1966. [2]+35 p. il. 4° \* Paper, 25c. C 4.41/2: 31
- 17051 United States earthquakes, 1964; by Carl A. Von Hake and William K. Cloud. 1966. iv+91 p. il. 4° \* Paper, 55c. ● Item 208 C 4.25/2: 964
- L.C. card 30-27161

### COAST GUARD, Treasury Dept. Washington, D.C. 20226

- 17052 Cadet profile, U.S. Coast Guard Academy, 1966-67. [1966.] 8 p. il. narrow large 8° [Based on data for Class of 1970, prepared by Director of Admissions, for use of secondary school guidance counselors.] † ● Item 934 T 47.2: C 11/966-67

### COMMERCE DEPARTMENT Washington, D.C. 20230

NOTE.—Requests to the Commerce Department for publications should give the full title and the date of the publication. Do not include Monthly Catalog entry numbers or Superintendent of Documents classification numbers, which should be used only when ordering from the Superintendent of Documents.

- 17053 Address by Secretary of Commerce John T. Connor prepared for delivery to 73d annual conference, International Association of Chiefs of Police, Philadelphia, Pa., Oct. 4, 1966. [1966.] 15 leaves, 4° (USCOMM-DC-38226.) † C 1.18: C 76/84
- 17054 Electromagnetic spectrum utilization, the silent crisis, report on telecommunication science and Federal Government [with list of references]; by Telecommunication Science Panel of Commerce Technical Advisory Board. Oct. 18, 1966. v+44+[43] p. il. 4° [Prepared in cooperation with Office of Director of Telecommunications Management, Federal Communications Commission, and Department of Defense.] † ● Item 128 C 1.2: E1 2
- L.C. card 66-65716

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## DECEMBER 1966

Overseas business reports OBR (series). [Issued irregularly.] \* Paper, \$13.00 a yr., \$5.00 additional for foreign mailing; single copy, 15c. (1-3 yr. subs.). ● Item 231-B C 1.50: (nos.)

- 17055 66-59. Foreign trade regulations of United Arab Republic; prepared by Helen D. Grayson, Sept. 1966. 7 p. 4° (Bureau of International Commerce.) [Supersedes OBR 63-143.]
- 17056 66-61. Foreign trade regulations of Portugal; prepared by Wilford J. Lee. Oct. 1966. 8 p. 4° [Supersedes WTIS pt. 2, nos. 55-109, 61-41, and 62-53.]
- 17057 66-63. Foreign trade regulations of Sudan; prepared by Daniel E. Gardner. Oct. 1966. 7 p. 4° (Bureau of International Commerce.) [Supersedes WTIS pt. 2, nos. 61-21, 61-23, and 61-61.]
- 17058 66-65. Government procurement practices in selected African countries; prepared in Africa Division, Office of International Regional Economics. Oct. 1966. 12 p. 4° (Bureau of International Commerce.) [Includes lists, with addresses and telephone numbers, of United States embassies in pertinent African countries and of all African embassies in United States. Issued with perforations.]
- 17059 Patents and spread of technology, [address by] J. Herbert Hollomon, Assistant Secretary of Commerce for Science and Technology, prepared for delivery at International Patents Conference, National Association of Manufacturers, Washington, D.C., Oct. 11, 1966. 1966. 10 p. 4° † C 1.18: H 72/23
- 17060 Remarks by Lowell K. Bridwell, Deputy Under Secretary of Commerce for Transportation, prepared for delivery at 19th annual convention of Airport Operators Council International, Oct. 12, 1966, Phoenix, Ariz. 1966. 6 p. 4° (USCOMM-DC-3334.) † C 1.18: B 76/21
- 17061 Remarks by Secretary of Commerce John T. Connor prepared for delivery at opening of Progress of Industry through Patents exhibit in main lobby, Department of Commerce, Oct. 11, 1966. 1966. 5 leaves, 4° (USCOMM-DC-38239.) † C 1.18: C 76/88
- 17062 Remarks by Secretary of Commerce John T. Connor prepared for delivery to U.S. Travel Service State Liaison Officers, Washington, D.C., Oct. 7, 1966. [1966.] 7 leaves, 4° † C 1.18: C 76/85

### COMMODITY CREDIT CORPORATION, Agriculture Dept. Washington, D.C. 20250

- 17063 Commodity Credit Corporation charts, providing graphic summary of operations, June 30, 1965. Mar. 1966. cover title, v+67 p. il. 4° † L.C. card 52-61001 A 82.311: 965

## CONGRESS

- 17064 Congressional record, proceedings and debates of 89th Congress, 1st session, v. 111, pt. 20, Oct. 8-20, 1965. [Permanent edition.] 1965. [1]+26379-27800 p. 4° \* Cloth, \$4.75. ● Item 993 X.89/1: 111/pt.20  
L.C. card 12-36438  
NOTE.—In the permanent bound edition, the paging differs from that of the daily numbers, the text being revised, rearranged, and printed without break. Extraneous matter appearing in the Appendix is omitted from the permanent form of the Congressional record.
- 17065 Memorial services held in House of Representatives and Senate of United States, together with remarks presented in eulogy of Herbert C. Bonner, late Representative from North Carolina, 89th Congress, 2d session. 1966. v+[1]+74 p. 1 por. † ● Item 1005 Y 7.1: B 641  
L.C. card 66-62936

## *Laws*

NOTE.—The Federal laws are first published separately and in this form are known as "slip laws". Later, these laws are compiled, edited, indexed, and published in the volumes of the Statutes at large.

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# GOVERNMENT PUBLICATIONS

Private laws, 89th Congress. † House or Senate Document Rooms, Capitol.

- 17066 260. H.R. 11227, act to authorize Eugene J. Keogh, of New York, Member of House of Representatives, to accept Order of Isabella the Catholic. Approved July 4, 1966. 1 p.
- 17067 343. S. 196, act for relief of Georges Fraise. Approved Oct. 8, 1966. 1 p.
- 17068 344. S. 373, act for relief of Victor M. Ubieta. Approved Oct. 8, 1966. 1 p.
- 17069 345. S. 2295, act for relief of Guiseppe Rubino. Approved Oct. 8, 1966. 1 p.
- 17070 346. S. 1468, act for relief of Dorothy Eyre. Approved Oct. 10, 1966. 1 p.
- 17071 347. S. 2091, act for relief of Joaquin U. Villagomez. Approved Oct. 10, 1966. 1 p.
- 17072 348. S. 3500, act to authorize the President to advance Major General Robert Wesley Colglazier, jr., to grade of Lieutenant general. Approved Oct. 14, 1966. 1 p.
- 17073 349. S. 405, act for relief of Gabriel A. Nahas and Vera Nahas. Approved Oct. 15, 1966. 1 p.
- 17074 350. S. 1275, act to authorize and direct Secretary of Treasury to cause vessel *Elva L.*, owned by Harold Bunker, of Matineus, Maine, to be documented as vessel of United States with coastwise privileges. Approved Oct. 15, 1966. 1 p.
- 17075 351. S. 2106, act for relief of Jose Joaquin Diaz Franquiz. Approved Oct. 15, 1966. 1 p.
- 17076 352. S. 2457, act for relief of Jorge Ajbuszye Volsky. Approved Oct. 15 1966. 1 p.
- 17077 353. S. 2587, act for relief of Hilda W. Perez de Gonzales. Approved Oct. 15, 1966. 1 p.
- 17078 354. S. 2640, act for relief of Guillermo Rodriguez. Approved Oct. 15, 1966. 1 p.
- 17079 355. S. 2738, act for relief of Ezzat N. Asaad. Approved Oct. 15, 1966. 1 p.
- 17080 356. S. 2739, act for relief of Blanche L. Asaad. Approved Oct. 15, 1966. 1 p.
- 17081 357. S. 2761, act for relief of Julio Sanguily, jr. Approved Oct. 15, 1966. 1 p.
- 17082 358. S. 2771, act for relief of Hazel Louise Schuman Strunk. Approved Oct. 15, 1966. 1 p.
- 17083 359. S. 3106, act for relief of Alberto L. Martinez. Approved Oct. 15, 1966. 1 p.
- 17084 360. S. 3238, act for relief of Matsue Sato. Approved Oct. 15, 1966. 1 p.
- 17085 361. H.R. 3104, act to authorize Secretary of Interior to convey certain lands in Plumas County, Calif., to C. A. Lundy, and for other purposes. Approved Oct. 15, 1966. 1 p.
- 17086 362. H.R. 5213, act for relief of Winston Lloyd McKay. Approved Oct. 15, 1966. 1 p.
- 17087 363. H.R. 5912, act for relief of estates of certain former members of U.S. Navy Band. [Approved Oct. 15, 1966.] 2 pp.
- 17088 364. H.R. 9520, act to authorize Secretary of Interior to convey certain lands in Inyo County, Calif., to personal representative of estate of Gwilym L. Morris, Dolores G. Morris, George D. Ishmael, and Verna H. Ishmael. Approved Oct. 15, 1966. 1 p.
- 17089 365. H.R. 14754, act to authorize Secretary of Interior to reinstate certain oil and gas lease. Approved Oct. 15, 1966. 1 p.
- 17090 366. S. 1375, act providing method for determining amount of compensation to which certain individuals are entitled as reimbursement for damages sustained by them due to cancellation of their grazing permits by Air Force. Approved Oct. 16, 1966. 1 p.

Public laws, 89th Congress. ● Item 575

NOTE.—Public laws in slip form in the first prints may be obtained from the Superintendent of Documents, Washington, D.C. 20402, at a subscription price of \$12.00 per session, \$2.00 additional for foreign mailing; single copies vary in price.

- 17091 514. H.J. Res. 1178, joint resolution to authorize Commissioners of District of Columbia to promulgate special regulations for period of 93d annual session of Imperial Council, Ancient Arabic Order of Nobles of Mystic Shrine for North America, to be held in Washington, D.C., in July 1967, to authorize granting of certain permits to Imperial Shrine Convention, 1967, Incorporated, on occasions of such sessions, and for other purposes. [Approved July 19, 1966.] 3 p. \* Paper, 5c.
- 17092 522. S. 3093, act to amend acts of Mar. 3, 1931, and Oct. 9, 1962, relating to furnishing of books and other materials to blind so as to authorize furnishing of such books and other materials to other handicapped persons. [Approved July 30, 1966.] 2 p. \* Paper, 5c.
- 17093 524. S. 2948, act to set aside certain lands in Montana for Indians of Confederated Salish and Kootenai Tribes of Flathead Reservation, Mont. [Approved Aug. 1, 1966.] 2 p. \* Paper, 5c.
- 17094 525. S. 2822, act to amend various provisions of laws administered by Farm Credit Administration to improve operations thereunder, and for other purposes. [Approved Aug. 2, 1966.] 2 p. \* Paper, 5c.
- 17095 526. H.R. 8317, act to amend sec. 116 of title 28, United States Code, relating to United States District Court for eastern and western districts of Oklahoma. Approved Aug. 4, 1966. 1 p. \* Paper, 5c.
- 17096 528. H.R. 14324, act to authorize appropriations to National Aeronautics and Space Administration for research and development, construction of facilities, and administrative operations, and for other purposes. [Approved Aug. 5, 1966.] 4 p. \* Paper, 5c.
- 17097 540. H.R. 15485, act to authorize exchange of certain fluorspar and ferromanganese held in national and supplemental stockpiles. Approved Aug. 19, 1966. 1 p. \* Paper, 5c.

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- 17098 547. H.J. Res. 1207, joint resolution to authorize Administrator of General Services to accept title to John Fitzgerald Kennedy Library, and for other purposes. Approved Aug. 27, 1966. 1 p. \* Paper, 5c.
- 17099 560. S. 902, act to provide that Secretary of Agriculture shall conduct soil survey program of Department of Agriculture so as to make available soil surveys needed by States and other public agencies, including community development districts, for guidance in community planning and resource development, and for other purposes. [Approved Sept. 7, 1966.] 2 p. \* Paper, 5c.
- 17100 566. S. 3688, act to stimulate flow of mortgage credit for Federal Housing Administration and Veterans' Administration assisted residential construction. Approved Sept. 10, 1966. 1 p. \* Paper, 5c.
- 17101 571. H.R. 3999, act to provide same life tenure and retirement rights for judges hereafter appointed in United States District Court for District of Puerto Rico as judges of all other United States district courts now have. Approved Sept. 12, 1966. 1 p. \* Paper 5c.
- 17102 573. H.R. 12323, act to extend for 3 years period during which certain extracts suitable for tanning may be imported free of duty. Approved Sept. 13, 1966. 1 p. \* Paper 5c.
- 17103 575. H.R. 12461, act to continue for temporary period existing suspension of duty on certain Istle. Approved Sept. 13, 1966. 1 p. \* Paper, 5c.
- 17104 576. H.R. 13284, act to redefine eligibility for membership in AMVETS (American Veterans of World War II). Approved Sept. 14, 1966. 1 p. \* Paper, 5c.
- 17105 583. H.R. 13750, act to amend further Foreign assistance act of 1961, as amended, and for other purposes. [Approved Sept. 19, 1966.] 13 p. \* Paper, 10c.
- 17106 585. H.R. 8058, act to amend sec. 4 of District of Columbia income and franchise tax act of 1947. Approved Sept. 19, 1966. 1 p. \* Paper, 5c.
- 17107 592. S. 3354, act to amend law establishing revolving fund for expert assistance loans to Indian tribes. Approved Sept. 19, 1966. 1 p. \* Paper, 5c.
- 17108 594. H.R. 10823, act relating to credit life insurance and credit health and accident insurance with respect to student loans. Approved Sept. 20, 1966. 1 p. \* Paper 5c.
- 17109 595. S.J. Res. 178, joint resolution to delete interest rate limitation on debentures issued by Federal intermediate credit banks. Approved Sept. 20, 1966. 1 p. \* Paper, 5c.
- 17110 611. H.J. Res. 1308, joint resolution making continuing appropriations for fiscal year 1967 and for other purposes. Approved Sept. 30, 1966. 1 p. \* Paper, 5c.
- 17111 612. H.R. 16330, act to provide for extension and expansion of program of grants-in-aid to Republic of Philippines for hospitalization of certain veterans, and for other purposes. [Approved Sept. 30, 1966.] 2 p. \* Paper, 5c.
- 17112 613. H.R. 16367, act to extend benefits of War orphans' educational assistance program to children of those veterans of Philippine Commonwealth Army who died or have become permanently and totally disabled by reason of their service during World War II, and for other purposes. [Approved Sept. 30, 1966.] 2 p. \* Paper, 5c.
- 17113 615. S. 3261, act to authorize Secretary of Interior to convey certain lands in State of Maine to Mount Desert Island Regional School District. Approved Oct. 3, 1966. 1 p. \* Paper, 5c.
- 17114 616. S. 3510, act to authorize Secretary of Interior to study feasibility and desirability of Connecticut River National Recreation Area in States of Connecticut, Massachusetts, Vermont, and New Hampshire, and for other purposes. [Approved Oct. 3, 1966.] 2 p. \* Paper, 5c.
- 17115 617. S. 1474, act to create bipartisan commission to study Federal laws limiting political activity by officers and employees of Government. [Approved Oct. 3, 1966.] 3 p. \* Paper, 5c.
- 17116 618. S. 2287, act to authorize 5-year hydrologic study and investigation of Delmarva Peninsula. [Approved Oct. 4, 1966.] 2 p. \* Paper, 5c.
- 17117 619. S. 3353, act to amend Trading with the enemy act to provide for transfer of 3 paintings to Federal Republic of Germany in trust for Weimar Museum. Approved Oct. 4, 1966. 1 p. \* Paper, 5c.
- 17118 621. H.R. 483, act to amend sec. 2056 of Internal revenue code of 1954 relating to effect of disclaimers on allowance of marital deduction for estate tax purposes, and for other purposes. [Approved Oct. 4, 1966.] 2 p. \* Paper, 5c.
- 17119 623. H.R. 7850, act to amend sec. 1822(a) of title 38, United States Code, to extend provisions for treble-damage actions to direct loan and insured loan cases. Approved Oct. 4, 1966. 1 p. \* Paper, 5c.
- 17120 624. H.R. 9976, act to amend act of Sept. 2, 1964. Approved Oct. 4, 1966. 1 p. \* Paper, 5c.
- 17121 625. H.R. 11927, act to authorize Administrator of Veterans' Affairs to permit deduction by brokers of certain costs and expenses from rental collections on properties acquired under veterans' loan programs. Approved Oct. 4, 1966. 1 p. \* Paper, 5c.
- 17122 627. H.R. 12119, act to authorize Commissioners of District of Columbia to replace existing Fourteenth Street Bridge, also known as Highway Bridge, across Potomac River, and for other purposes. Approved Oct. 4, 1966. 1 p. \* Paper, 5c.
- 17123 628. H.R. 16940, act to amend provisions of act of Apr. 8, 1935, relating to Board of Trustees of Trinity College of Washington, District of Columbia. Approved Oct. 14, 1966. 1 p. \* Paper, 5c.
- 17124 629. H.R. 13012, act to provide for conveyance of certain real property to Biloxi, Miss. Approved Oct. 4, 1966. 1 p. \* Paper, 5c.

# GOVERNMENT PUBLICATIONS

## Public laws, 89th Congress—Continued

- 17125 632. S. 2393, act to provide for additional positions in certain departments and agencies, and for other purposes. [Approved Oct. 8, 1966.] 2 p. \* Paper, 5c.
- 17126 633. H.R. 15510, act to amend Consolidated Farmers Home Administration act of 1961 to authorize Secretary of Agriculture to hold prepayments made to Secretary by insured loan borrowers and transmit them to holder of note in installments as they become due. Approved Oct. 8, 1966. 1 p. \* Paper, 5c.
- 17127 635. S. 1356, act to amend judicial code to permit Indian tribes to maintain civil actions in Federal district courts without regard to \$10,000 limitation, and for other purposes. Approved Oct. 10, 1966. 1 p. \* Paper, 5c.
- 17128 636. H.R. 14019, act to amend Foreign Service buildings act, 1926, to authorize additional appropriations, and for other purposes. [Approved Oct. 10, 1966.] 2 p. \* Paper, 5c.
- 17129 637. S.J. Res. 197, joint resolution to extend authority of Postmaster General to enter into leases of real property for periods not exceeding thirty years, and for other purposes. Approved Oct. 10, 1966. 1 p. \* Paper, 5c.
- 17130 638. S. 2070, act to provide for holding terms of United States District Court for district of South Dakota at Rapid City. Approved Oct. 10, 1966. 1 p. \* Paper, 5c.
- 17131 639. H.R. 16608, act to amend charter of Southeastern University of District of Columbia. Approved Oct. 10, 1966. 1 p. \* Paper, 5c.
- 17132 640. S. 2540, act to authorize conclusion of agreement for joint construction by United States and Mexico of international flood control project for Tijuana River in accordance with provisions of treaty of Feb. 3, 1944, with Mexico, and for other purposes. Approved Oct. 10, 1966. 1 p. \* Paper, 5c.
- 17133 643. S. 3080, act to amend sec. 8 of Revised organic act of Virgin Islands to increase special revenue bond borrowing authority, and for other purposes. Approved Oct. 13, 1966. 1 p. \* Paper, 5c.
- 17134 644. H.R. 10860, act to amend Connally hot oil act by exempting States from certain provisions thereof. Approved Oct. 13, 1966. 1 p. \* Paper, 5c.
- 17135 645. S. 3830, act to amend Atomic energy act of 1954, as amended. [Approved Oct. 13, 1966.] 3 p. \* Paper, 5c.
- 17136 647. S. 3096, act to amend Federal airport act to extend time for making grants thereunder, and for other purposes. [Approved Oct. 31, 1966.] 2 p. \* Paper, 5c.
- 17137 650. H.R. 9916, act to amend title 10, United States Code, with respect to nomination and selection of candidates for appointment to Military, Naval, and Air Force Academies, and for other purposes. [Approved Oct. 13, 1966.] 2 p. \* Paper, 5c.
- 17138 651. H.R. 8664, act to implement agreement on importation of educational scientific, and cultural materials, opened for signature at Lake Success Nov. 22, 1950, and for other purposes. [Approved Oct. 14, 1966.] 6 p. \* Paper, 5c.
- 17139 652. H.R. 5297, act to amend title 10, United States Code, to limit revocation of retired pay of members of Armed Forces, and for other purposes. [Approved Oct. 14, 1966.] 2 p. \* Paper, 5c.
- 17140 653. H.R. 8034, act authorizing Secretary of Health, Education, and Welfare to make certain grants to Menominee Indian people of Menominee County, Wis., and for other purposes. Approved Oct. 14, 1966. 2 p. \* Paper, 5c.
- 17141 658. S. 2218, act to establish contiguous fishery zone beyond territorial sea of United States. Approved Oct. 14, 1966. 1 p. \* Paper, 5c.
- 17142 659. H.R. 7466, act to provide for disposition of funds appropriated to pay judgments in favor of Miami Indians of Indiana and Oklahoma, and for other purposes. [Approved Oct. 14, 1966.] 2 p. \* Paper, 5c.
- 17143 660. H.R. 10747, act to provide for disposition of funds appropriated to pay judgment in favor of Duwamish Tribe of Indians in Indian Claims Commission docket numbered 109, and for other purposes. Approved Oct. 14, 1966. 1 p. \* Paper, 5c.
- 17144 661. H.R. 10674, act to provide for disposition of funds appropriated to pay judgment in favor of Otoe and Missouri Tribe of Indians, and for other purposes. Approved Oct. 14, 1966. 1 p. \* Paper, 5c.
- 17145 663. H.R. 3596, act to provide for disposition of judgment funds to credit of Skokomish Tribe of Indians. Approved Oct. 14, 1966. 1 p. \* Paper, 5c.
- 17146 680. H.R. 266, act to amend sec. 404 and 406 of title 37, United States Code, relating to travel and transportation allowances of certain members of uniformed services who are retired, discharged, or released from active duty. [Approved Oct. 15, 1966.] 2 p. \* Paper, 5c.
- 17147 681. H.R. 1665, act to amend title 28, entitled Judiciary and judicial procedure, of United States Code to provide for reporting of congressional reference cases by commissioners of Court of Claims. [Approved Oct. 15, 1966.] 2 p. \* Paper, 5c.
- 17148 682. H.R. 3314, act to require premarital examinations in District of Columbia, and for other purposes. [Approved Oct. 15, 1966.] 2 p. \* Paper, 5c.
- 17149 683. H.R. 17119, act to amend title 10, United States Code, to permit members of Armed Forces to be assigned or detailed to Environmental Science Services Administration, Department of Commerce. Approved Oct. 15, 1966. 1 p. \* Papers, 5c.

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ATOMIC ENERGY JOINT COMMITTEE  
Washington, D.C. 20515

- 17150 Proposed large-scale combination nuclear power-desalting project, hearing, 89th Congress, 2d session, on H.R. 17558 and S. 3807, Sept. 14, 1966. 1966. iv+110 p. il. \* Paper, 35c. ● Item 999  
L.C. card 66-62607 Y 4.At 7/2: N 88/3

ECONOMIC JOINT COMMITTEE  
Washington, D.C. 20510

- 17151 Automation and technology in education, report of Subcommittee on Economic Progress, Aug. 1966. 1966. v+11 p. (Joint Committee print, 89th Congress, 2d session.) \* Paper, 10c. ● Item 1000  
L.C. card 66-62496 Y 4.Ec 7: Ed 8/2
- 17152 New approach to United States international economic policy, hearing before Subcommittee on International Exchange and Payments, 89th Congress, 2d session, Sept. 9, 1966. 1966. iii+44 p. \* Paper, 20c. ● Item 1000  
L.C. card 66-62821 Y 4.Ec 7: In 8/12
- 17153 Old age income assurance, outline of issues and alternatives [with select bibliography], materials prepared by Committee staff for Subcommittee on Fiscal Policy. 1966. v+39 p. (Joint committee print, 89th Congress, 2d session.) \* Paper, 15c. ● Item 1000  
L.C. card 66-63700 Y 4.Ec 7: Ol 1

HOUSE OF REPRESENTATIVES  
Washington, D.C. 20515

- 17154 Major legislative actions, 89th Congress (adjourned Oct. 22, 1966), final edition; prepared by Office of Coordinator of Information. [1966.] 55 p. 4° ‡  
L.C. card 50-60030 Y 1.2: L 52/966-3

*House documents*

NOTE.—All House documents, entries for which are followed by a ‡, may be obtained from the House Document Room or from the issuing office.

House documents, 89th Congress.

- 17155 86. Matters relating to District of Columbia and its government, message from President of United States. Feb. 15, 1965. 8 p. ‡ (Not sent to depository libraries)
- 17156 88. Message from President of United States transmitting 7th annual report covering United States participations in International Atomic Energy Agency for year 1963; Feb. 15, 1965. 1965. [6]+17 p. ‡ (Not sent to depository libraries)  
L.C. card 59-60656
- 17157 261. Supplemental appropriation, Federal Aviation Agency, fiscal year 1966. Aug. 12, 1965. 2 p. ‡ (Not sent to depository libraries)
- 17158 297. Message from President of United States transmitting 8th annual report covering United States participation in International Atomic Energy Agency for year 1964; Sept. 30, 1965. 1965. xii+23 p. ‡ (Not sent to depository libraries)  
L.C. card 59-60656
- 17159 303. 48th session of International Labor Conference, letter from Assistant Secretary for Congressional Relations, Department of State, transmitting texts of ILO convention (no. 120) concerning hygiene in commerce and offices, and ILO convention (no. 121) concerning benefits in case of employment injury, adopted at 48th session, at Geneva, July 8, 1964; Oct. 12, 1965. 1965. iii+41 p. ‡ (Not sent to depository libraries)
- 17160 349. Protecting our food, [yearbook of agriculture 1966; Jack Hayes, editor]. [1966.] xiii+[15]+386 p. il. [Illustrated lining papers attached to front and back covers. Yearbook is made up of signed articles.] \* (Available in departmental edition, Cloth, \$2.50. A 1.10: 966, and sent to depositories in that form. See entry no. 16940.)
- 17161 466. Atlantic-Pacific Canal study, message from President of United States transmitting 2d annual report of Atlantic-Pacific Inter-oceanic Canal Study Commission; Aug. 15, 1966. 1966. vii+50 p. il. ‡ ● Item 996  
L.C. card 65-62676

# GOVERNMENT PUBLICATIONS

## House documents, 89th Congress—Continued

- 17162 469. Increasing combat pay exclusion for commissioned officers in combat zones, communication from President of United States transmitting draft of proposed legislation to amend sec. 112 of Internal revenue code of 1954; Aug. 18, 1966. 1966. [1]+2 p. † ● Item 996
- 17163 471. Ceremonies attending acceptance of official committee portrait of John L. McMillan, May 18, 1966, House District Committee Room, Longworth House Office Building. [1966.] viii+26 p. il. [Title on cover is: John L. McMillan, portrait acceptance, May 18, 1966.] † ● Item 996
- 17164 472. Report on audit of Federal Home Loan Bank Board, year ended Dec. 31, 1965, letter from Acting Comptroller General transmitting report, Aug. 22, 1966. iv+16 p. 4° † ● Item 996  
L.C. card 66-65726
- 17165 475. Mainland areas of North Carolina, excluding Washington and New Bern, letter from chief of engineers, Army, submitting report on interim hurricane survey; Aug. 29, 1966. 1966. xxiii+61 p. 2 pl. 4° [Also issued in departmental edition and sent to depositories in that form. See Entry 17631.] †
- 17166 476. Outer Banks between Virginia State line and Hatteras Inlet, N.C., letter from chief of engineers, Army, submitting report on interim hurricane survey; Aug. 29, 1966. [1966.] xxii+82 p. il. 4° [Also issued in departmental edition and sent to depositories in that form. See Entry no. 17635.] †
- 17167 489. International Labor Organization's recommendation on employment, letter from Assistant Secretary for Congressional Relations, Department of State; Sept. 7, 1966. 1966. ix+14 p. † ● Item 996
- 17168 492. Inflation, message from President of United States transmitting proposals for measures for curbing inflation and preserving our national economy. Sept. 8, 1966. 8 p. † ● Item 996
- 17169 494. Newark Bay, Hackensack and Passaic Rivers, N.J., letter from chief of engineers, Army, submitting report on review of reports; Sept. 12, 1966. 1966. xii+102 p. il. 5 pl. 4° [Also issued in departmental edition and sent to depositories in that form. See Entry no. 17634.] †
- 17170 520. Gilmour C. MacDonald, message from President of United States, returning without approval H.R. 7546. Oct. 11, 1966. 2 p. † ● Item 996
- 17171 521. Amendment to request for appropriations for Department of Health, Education, and Welfare, fiscal year 1967. Oct. 11, 1966. 2 p. † ● Item 996
- 17172 522. Supplemental appropriation to pay claims and judgments against United States. Oct. 11, 1966. 22 p. † ● Item 996
- 17173 526. National Aeronautics and Space Administration, 14th semiannual report to Congress, July 1-Dec. 31, 1965. [1966.] xviii+269 p. il. [Text on p. 2 of cover.] \* (Available in departmental edition, \$1.25, NAS 1.1:965-2 and sent to depositories in that form. See Entry no. 17933)

## House reports

NOTE.—For titles of bills which these reports accompany, see Congressional record index.

House reports on private bills, 89th Congress. † House Document Room, Capitol. ● Item 1008-B (except Reports 776, and 800)

- 17174 776. Mrs. Concetta Cioffi Carson. Report from Committee on Judiciary to accompany H.R. 2285. Aug. 10, 1965. 5 p. (Not sent to depository libraries)
- 17175 800. Estate of Robert A. Ethridge. Report from Committee on Judiciary to accompany H.R. 5530. Aug. 17, 1965. 9p. (Not sent to depository libraries)
- 17176 1902. Miss Rajka Soda. Report from Committee on Judiciary to accompany H.R. 8614. Aug. 26, 1966. 6p.
- 17177 1999. Herman Adams, doing business as Adams Manufacturing Co. Report from Committee on Judiciary to accompany H.R. 14990. Sept. 6, 1966. 37 p.
- 17178 2085. Authorizing coastwise privileges for vessel Elva L. Report from Committee on Merchant Marine and Fisheries to accompany S. 1275. Sept. 26, 1966. 3 p.
- 17179 2102. Helena Gilbert Maddagiri and Heather Gilbert Maddagiri. Report from Committee on Judiciary to accompany S. 2801. Sept. 28, 1966. 15 p.
- 17180 2129. James A. Todd, jr. Report from Committee on Judiciary to accompany S. 2500. Sept. 28, 1966. 3 p.
- 17181 2132. Rose Minutillo. Report from Committee on Judiciary to accompany H.R. 1944. Sept. 28, 1966. 4 p.
- 17182 2191. Authorizing the President to advance Maj. Gen. Robert Wesley Colglazier, jr., to grade of lieutenant general. Report from Committee on Armed Services to accompany S. 3500. Oct. 5, 1966. 3 p.
- 17183 2211. Convey land to Skyline Churches Cemetery. Report from Committee on Agriculture to accompany H.R. 10876. Oct. 7, 1966. 3 p.
- 17184 2234. Duty-free entry of mass spectrometer for Indiana University. Report from Committee on Ways and Means to accompany H.R. 11753. Oct. 12, 1966. 2 p.
- 17185 2235. Duty-free entry of rheogoniometer for Case Institute of Technology. Report from Committee on Ways and Means to accompany H.R. 11941. Oct. 12, 1966. 2 p.

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# DECEMBER 1966

- 17186 2238. Duty-free entry of ship model for Lutheran Church of the Covenant, Maple Heights, Ohio. Report from Committee on Ways and Means to accompany H.R. 12110. Oct. 12, 1966. 2 p.
- 17187 2239. Duty-free entry of rheogoniometer for Tufts University. Report from Committee on Ways and Means to accompany H.R. 12197. Oct. 12, 1966. 2 p.
- 17188 2241. Duty-free entry of carillon for Northfield and Mount Hermon Schools. Report from Committee on Ways and Means to accompany H.R. 13190. Oct. 12, 1966. 2 p.
- 17189 2242. Duty-free entry of broad-range multigap magnetic spectrograph for University of Pennsylvania, Philadelphia, Pa. Report from Committee on Ways and Means to accompany H.R. 13739. Oct. 12, 1966. 2 p.
- 17190 2244. Duty-free entry of double neutron diffractometer for University of Missouri. Report from Committee on Ways and Means to Accompany H.R. 14610. Oct. 12, 1966. 2 p.
- 17191 2245. Duty-free entry of lonosonde for University of Illinois. Report from Committee on Ways and Means to accompany H.R. 14893. Oct. 12, 1966. 2 p.
- 17192 2246. Duty-free entry of carillon for University of California. Report from Committee on Ways and Means to accompany H.R. 15888. Oct. 12, 1966. 2 p.
- 17193 2320. Changing name of Rolla Jewel Bearing Plant at Rolla, N. Dak., to William Langer Jewel Bearing Plant. Report from Committee on Government Operations to accompany S. 3466. Oct. 19, 1966. 3 p.

House reports on public bills, 89th Congress. † House Document Room, Capitol. (Nos. 2013, and 2237 are sold by Superintendent of Documents.) ● Item 1008-A (except Reports 34, 367, 371, 372, 373, 713, 744, and 746)

- 17194 34. Administrative expenses of retired employees health benefits. Report from Committee on Post Office and Civil Service to accompany H.R. 1782. Feb. 9, 1965. 8 p. (Not sent to depository libraries)
- 17195 367. Authorizing printing of additional copies of report of Committee on Foreign Affairs entitled, Oversea programs of private nonprofit American organizations. Report from Committee on House Administration to accompany H. Res. 354. May 25, 1965. 1 p. (Not sent to depository libraries)
- 17196 371. Consideration of H.R. 237. Report from Committee on Rules to accompany H. Res. 398. May 25, 1965. 1 p. (Not sent to depository libraries)
- 17197 372. Consideration of H.R. 485. Report from Committee on Rules to accompany H. Res. 399. May 25, 1965. 1 p. (Not sent to depository libraries)
- 17198 373. Providing for consideration of, and waiving points of order against, conference report on S. 800. Report from Committee on Rules to accompany H. Res. 400. May 25, 1965. 1 p. (Not sent to depository libraries)
- 17199 713. Military construction authorization, fiscal year 1966. Conference report to accompany H. R. 8439. Aug. 3, 1965. 46 p. (Not sent to depository libraries)
- 17200 744. Require reporting by physicians of physical abuse of children. Report from Committee on District of Columbia to accompany H.R. 10304. Aug. 6, 1965. 6 p. (Not sent to depository libraries)
- 17201 746. Amending District of Columbia income and franchise tax act of 1947. Report from Committee on District of Columbia to accompany H.R. 8058. Aug. 7, 1965. 11 p. (Not sent to depository libraries)
- 17202 1699, pt. 3. Housing and urban development act of 1966. Supplemental report of Committee on Banking and Currency, 89th Congress, 2d session, on H.R. 15890; July 28, 1966. 1966. [1]+403-432 p. [Part 3 shows further changes made in existing law as reported.] L.C. card 66-62037
- 17203 1797. Dependency and indemnity compensation for certain service-connected deaths. Report from Committee on Veterans' Affairs to accompany H.R. 5852. Aug. 2, 1966. 4 p.
- 17204 1798. Drugs and medicine for aid-and-attendance pensioners. Report from Committee on Veterans' Affairs to accompany H.R. 12723. Aug. 2, 1966. 5 p.
- 17205 1799. Land transfer to Pinellas County, Fla. Report from Committee on Veterans' Affairs to accompany H.R. 12352. Aug. 2, 1966. 5 p.
- 17206 1803. Delete interest rate limitation on debentures issued by Federal intermediate credit banks. Report from Committee on Agriculture to accompany H.J. Res. 1217. Aug. 3, 1966. 4 p.
- 17207 1804. Soil information assistance for community planning and resource development. Report from Committee on Agriculture to accompany S. 902. Aug. 3, 1966. 8 p.
- 17208 1811. Crops on diverted acreage. Report from Committee on Agriculture to accompany H.R. 14831. Aug. 4, 1966. 5 p.
- 17209 1846. Providing for printing of certain proceedings in House Committee on District of Columbia. Report from Committee on House Administration to accompany H. Res. 891. Aug. 11, 1966. 1 p. [Relates to John L. McMillan, portrait acceptance, May 18, 1966.]
- 17210 1853. Disposition of sundry papers. Report from Joint Committee on Disposition of Executive Papers. Aug. 16, 1966. 2 p.

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# GOVERNMENT PUBLICATIONS

## House reports on public bills, 89th Congress—Continued

- 17211 1860. Providing for guarantee and insurance of loans to Indians and Indian organizations. Report from Committee on Interior and Insular Affairs to accompany H.R. 9332. Aug. 18, 1966. 14 p.
- 17212 1862. Increasing special revenue bond borrowing authority of Virgin Islands. Report from Committee on Interior and Insular Affairs to accompany H.R. 15953. Aug. 18, 1966. 9 p.
- 17213 1864. Authorizing erection of memorial in District of Columbia to John J. Pershing. Report from Committee on House Administration to accompany H.R. 14195. Aug. 22, 1966. 13 p.
- 17214 1865. Investigations of certain water resource development proposals. Conference report to accompany S. 3034. Aug. 23, 1966. 13 p.
- 17215 1866. Authorizing 5-year hydrologic study and investigation of Delmarva Peninsula. Report from Committee on Interior and Insular Affairs to accompany S. 2287. Aug. 23, 1966. 4 p.
- 17216 1867. Department of Agriculture and related agencies appropriations, 1967. Conference report to accompany H.R. 14596. Aug. 23, 1966. 10 p.
- 17217 1868. Expansion of purchasing authority of Federal National Mortgage Association. Conference report to accompany S. 3688. Aug. 24, 1966. 4 p.
- 17218 1872. Duty treatment of bagpipes. Report from Committee on Ways and Means to accompany H.R. 1035. Aug. 24, 1966. 2 p.
- 17219 1874. Amending title 10, United States Code, to permit members of Armed Forces to be assigned or detailed to Environmental Science Services Administration, Department of Commerce. Report from Committee on Armed Forces to accompany H.R. 17119. Aug. 24, 1966. 4 p.
- 17220 1877. Consideration of H.R. 12723. Report from Committee on Rules to accompany H. Res. 978. Aug. 24, 1966. 1 p.
- 17221 1885. Deductibility of accrued vacation pay. Report from Committee on Ways and Means to accompany H.R. 16774. Aug. 24, 1966. 3 p.
- 17222 1889. Amending AMVETS charter. Report from Committee on Judiciary to accompany H.R. 13284. Aug. 25, 1966. 3 p.
- 17223 1901. Compact between Missouri and Kansas creating Kansas City Area Transportation District and Authority. Report from Committee on Judiciary to accompany S. 3051. Aug. 26, 1966. 8 p.
- 17224 1906. Disposition of sundry papers. Report from Joint Committee on Disposition of Executive Papers. Aug. 29, 1966. 2 p.
- 17225 1910. Reserve Forces bill of rights and vitalization act of 1966, and National Guard technicians benefits act. Report from Committee on Armed Services to accompany H.R. 17195. Aug. 29, 1966. 115 p.
- 17226 1915. Filing of tax returns directly with Internal Revenue Service centers. Report from Committee on Ways and Means to accompany H.R. 6958. Aug. 30, 1966. 23 p.
- 17227 1918. Providing for disposition of funds appropriated to pay judgment in favor of Nooksack Tribe of Indians. Report from Committee on Interior and Insular Affairs to accompany H.R. 12437. Aug. 30, 1966. 4 p.
- 17228 1927. Conference report on Foreign assistance act of 1966, H.R. 15750; Aug. 31, 1966. 1966. iv+30 p.
- 17229 1953. Executive positions in Smithsonian Institution. Report from Committee on Post Office and Civil Service to accompany H.R. 15727. Sept. 1, 1966. 5 p.
- 17230 1954. Use of foreign currencies. Report from Committee on Ways and Means to accompany S. 801. Sept. 1, 1966. 2 p.
- 17231 1974. Sale of grain storage facilities. Report from Committee on Agriculture to accompany H.R. 12360. Sept. 1, 1966. 7 p.
- 17232 2013. Interstate taxation act. Report from Committee on Judiciary to accompany H.R. 1649. Sept. 7, 1966. 13 p. [Includes minority views of Edward Hutchinson.] \* Paper, 10c.
- 17233 2016. Relating to compensation of Doorkeeper of House of Representatives. Report from Committee on House Administration to accompany H. Res. 909. Sept. 8, 1966. 1 p.
- 17234 2018. Creating bipartisan commission to study Federal laws limiting political activity by officers and employees of Government. Report from Committee on House Administration to accompany S. 1474. Sept. 8, 1966. 2 p.
- 17235 2038. Establishing past and present location of certain portion of Colorado River for certain purposes. Report from Committee on Interior and Insular Affairs to accompany H.R. 13955. Sept. 12, 1966. 15 p.
- 17236 2040. Amending judicial code to permit Indian tribes to maintain civil actions in Federal district courts without regard to \$10,000 limitation, and for other purposes. Report from Committee on Judiciary to accompany S. 1356. Sept. 12, 1966. 6 p.
- 17237 2050. U.S. observance of International Human Rights Year, 1968. Report from Committee on Foreign Affairs to accompany H.R. 17083. Sept. 21, 1966. 7 p.
- 17238 2052. Foreign gifts and decorations act of 1966. Report from Committee on Foreign Affairs to accompany S. 2463. Sept. 21, 1966. 5 p.
- 17239 2062. Extending for 2 years period for which payments in lieu of taxes may be made with respect to certain real property transferred by Reconstruction Finance Corporation and its subsidiaries to other Government departments. Report from Committee on Government Operations to accompany H.R. 14249. Sept. 21, 1966. 9 p.
- 17240 2068. Interior research contracts. Report from Committee on Interior and Insular Affairs to accompany S. 3460. Sept. 22, 1966. 5 p.
- 17241 2070. Consideration of S. 3708. Report from Committee on Rules to accompany H. Res. 1023. Sept. 23, 1966. 1 p.

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- 17242 2078. Continuing appropriations, 1967. Report from Committee on Appropriations to accompany H.J. Res. 1308. Sept. 28, 1966. 4 p.
- 17243 2105. Commission on National Observances and Holidays. Report from Committee on Judiciary to accompany H.R. 15699. Sept. 28, 1966. 3 p.
- 17244 2142. Terms of U.S. District Court for District of South Dakota at Rapid City. Report from Committee on Judiciary to accompany S. 2070. Sept. 23, 1966. 5 p.
- 17245 2143. Great seal of United States. Report from Committee on Judiciary to accompany S. 2770. Sept. 28, 1966. 6 p.
- 17246 2144. Providing penalties for thefts from pipelines. Report from Committee on Judiciary to accompany S. 3433. Sept. 28, 1966. 8 p.
- 17247 2153. Uniform civil appellate rules. Report from Committee on Judiciary to accompany S. 3254. Sept. 29, 1966. 8 p.
- 17248 2158. Providing funds for Committee on House Administration. Report from Committee on House Administration to accompany H. Res. 1028. Sept. 30, 1966. 1 p.
- 17249 2172. Amending act of June 30, 1954, as amended providing for continuance of civil government for Trust Territory of Pacific Islands. Report from Committee on Interior and Insular Affairs Committee to accompany H.R. 17505. Oct. 3, 1966. 30 p.
- 17250 2187. Providing funds for Committee on House Administration. Report from Committee on House Administration to accompany H. Res. 1028. Oct. 5, 1966. 1 p.
- 17251 2188. Providing additional stationery allowance for Members of House of Representatives. Report from Committee on House Administration to accompany H. Res. 1029. Oct. 5, 1966. 1 p.
- 17252 2189. Centennial anniversary of 2d inaugural of Abraham Lincoln. Report from Committee on House Administration to accompany H. Res. 1034. Oct. 5, 1966. 1 p.
- 17253 2190. Authorizing military construction at Walter Reed Army Medical Center. Report from Committee on Armed Services to accompany H.R. 18019. Oct. 5, 1966. 6 p.
- 17254 2194. Ellis Island commemorative medals. Report from Committee on Banking and Currency to accompany H.R. 16923. Oct. 5, 1966. 3 p.
- 17255 2195. Increasing authorization for airports at national parks. Report from Committee on Interstate and Foreign Commerce to accompany H.R. 11089. Oct. 6, 1966. 8 p.
- 17256 2196. World newsprint supply-demand, outlook through 1968. Report of Committee on Interstate and Foreign Commerce; Oct. 6, 1966. 1966. xi+31 p. ll.  
L.C. card 60-61527
- 17257 2197. How to cut paperwork. [Report from] Committee on Post Office and Civil Service; Oct. 6, 1966. 1966. ix+70 p. ll.  
L.C. card 66-62845
- 17258 2198. Postal systems of United States Armed Forces, Vietnam and Thailand. [Report from] Committee on Post Office and Civil Service; Oct. 6, 1966. 1966. vii+27 p. ll.
- 17259 2199. Relating to contested-election cases. Report from Committee on House Administration to accompany H.R. 17239. Oct. 6, 1966. 3 p.
- 17260 2200. Home leave for Federal seafaring personnel. Report from Committee on Post Office and Civil Service to accompany H.R. 18217. Oct. 6, 1966. 14 p.
- 17261 2201. Survivor annuities with respect to reemployed annuitants. Report from Committee on Post Office and Civil Service to accompany S. 699. Oct. 6, 1966. 8 p.
- 17262 2202. Details of employees from field service to departmental service. Report from Committee on Post Office and Civil Service to accompany S. 1496. Oct. 6, 1966. 6 p.
- 17263 2203. Foreign assistance and related agencies appropriation bill, 1967. Conference report to accompany H.R. 17788. Oct. 6, 1966. 4 p.
- 17264 2204. Authorizing Board of Regents of Smithsonian Institution to negotiate co-operative agreements granting concessions at National Zoological Park to certain nonprofit organizations and to accept voluntary services of such organizations or of individuals, and for other purposes. Report from Committee on House Administration to accompany S. 3230. Oct. 6, 1966. 2 p.
- 17265 2205. Conservation and protection of endangered species of fish and wildlife. Conference report to accompany H.R. 9424. Oct. 6, 1966. 6 p.
- 17266 2206. Market promotion activity of Foreign Agricultural Service (2d review). 40th report by Committee on Government Operations; Oct. 7, 1966. 1966. vii+56 p.  
L.C. card 66-62937
- 17267 2207. Retaining perquisites of office for officers designated to occupy certain positions in Naval Material Command. Report from Committee on Armed Services to accompany H.R. 17451. Oct. 7, 1966. 23 p.
- 17268 2208. Inclusion of Guam in State technical services act. Report from Committee on Interstate and Foreign Commerce to accompany S. 2979. Oct. 7, 1966. 3 p.
- 17269 2209. Professional training and cooperation amendments of 1966. Report from Committee on Interstate and Foreign Commerce to accompany H.R. 13884. Oct. 7, 1966. 5 p.
- 17270 2210. Repeal of Naval stores act. Report from Committee on Agriculture to accompany H.R. 7381. Oct. 7, 1966. 7 p.

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## House reports on public bills, 89th Congress—Continued

- 17271 2212. Amending Vocational rehabilitation act to provide fixed allotment percentage for District of Columbia. Report from Committee on Education and Labor to accompany H.R. 14323. Oct. 7, 1966. 4 p.
- 17272 2213. Maritime Administration authorization. Report from Committee on Merchant Marine and Fisheries to accompany H.R. 18176. Oct. 10, 1966. 9 p.
- 17273 2214. Model secondary school for the deaf act. Report from Committee on Education and Labor to accompany H.R. 17190. Oct. 10, 1966. 5 p.
- 17274 2215. Department of Defense appropriations, 1967. Conference report to accompany H.R. 15941. Oct. 10, 1966. 7 p.
- 17275 2216. Public works appropriation bill, 1967. Conference report to accompany H.R. 17787. Oct. 10, 1966. 39 p.
- 17276 2217. Rivers and harbors, beach erosion control, flood control, and related purposes. Report of Committee on Public Works on H.R. 18233; Oct. 10, 1966. 1966. iv+85 p. [Includes supplemental and additional views.]
- 17277 2218. Authorizing printing of report on international education and Labor Committee. Report from Committee on House Administration to accompany H. Con. Res. 1007. Oct. 11, 1966. 1 p.
- 17278 2219. Authorizing printing of additional hearings and other materials by Committee on Agriculture. Report from Committee on House Administration to accompany H. Con. Res. 1017. Oct. 11, 1966. 1 p.
- 17279 2220. Authorizing printing as House document pamphlet entitled Our American Government, what is it? how does it function? Report from Committee on House Administration to accompany H. Con. Res. 1022. Oct. 11, 1966. 1 p.
- 17280 2221. Authorizing Public Printer to print for and deliver to General Services Administration additional copy of certain publications. Report from Committee on House Administration to accompany S. 3809. Oct. 11, 1966. 1 p.
- 17281 2223. Assignment of payments. Report from Committee on Agriculture to accompany H.R. 17588. Oct. 11, 1966. 4 p.
- 17282 2224. Limitations on Federal participation under title 19 of Social security act. Report from Committee on Ways and Means to accompany H.R. 18225. Oct. 11, 1966. 27 p. [Includes supplemental views of Thomas B. Curtis.]
- 17283 2225. Relocation of Pleasanton Plant Materials Center. Report from Committee on Agriculture to accompany H.R. 15304. Oct. 11, 1966. 5 p.
- 17284 2226. Mailing privileges of Armed Forces and other Government personnel overseas. Conference report to accompany H.R. 13448. Oct. 11, 1966. 6 p.
- 17285 2227. World Farm Center. Report from Committee on Agriculture to accompany H. Con. Res. 313. Oct. 11, 1966. 3 p.
- 17286 2228. Requiring premarital examinations in District of Columbia. Conference report to accompany H.R. 3314. Oct. 11, 1966. 4 p.
- 17287 2229. Mandatory reporting of injuries caused by firearms or other dangerous weapons. Conference report to accompany H.R. 9985. Oct. 11, 1966. 2 p.
- 17288 2230. Requiring reporting by physicians of physical abuse of children. Conference report to accompany H.R. 10304. Oct. 11, 1966. 2 p.
- 17289 2231. Strengthening wage-price guideposts. 41st report by Committee on Government Operations; Oct. 11, 1966. 1966. v+10 p. [Includes additional views of Florence P. Dwyer, and others.]
- 17290 2233. Claims of nationals of United States against Chinese Communist regime. Report from Committee on Foreign Affairs to accompany S. 3675. Oct. 12, 1966. 7 p.
- 17291 2236. Department of Transportation act. Conference report to accompany H.R. 15963. Oct. 12, 1966. 29 p.
- 17292 2237. Copyright law revision. Report from Committee on Judiciary to accompany H.R. 4347. Oct. 12, 1966. 279 p. \* Paper, 65c. L.C. card 66-62963
- 17293 2248. Exemptions from Shipping act, 1916. Report from Committee on Merchant Marine and Fisheries to accompany S. 3391. Oct. 12, 1966. 25 p.
- 17294 2250. District of Columbia work release act. Report from Committee on District of Columbia to accompany S. 1319. Oct. 12, 1966. 9 p.
- 17295 2256. Clean air act amendments of 1966. Conference report to accompany S. 3112. Oct. 12, 1966. 4 p.
- 17296 2258. Consideration of H.R. 17239. Report from Committee on Rules to accompany H. Res. 1054. Oct. 13, 1966. 1 p.
- 17297 2259. Investigation of European markets and for other purposes. Report from Committee on Rules to accompany H. Res. 1043. Oct. 13, 1966. 1 p.
- 17298 2260. Authorizing General Subcommittee on Labor of Committee on Education and Labor to conduct investigation and study of operation of elementary and secondary schools by Federal agencies and of production of foreign-made goods competing with domestically produced goods. Report from Committee on Rules to accompany H. Res. 1044. Oct. 13, 1966. 1 p.
- 17299 2261. Granting additional travel authority to Committee on Public Works. Report from Committee on Rules to accompany H. Res. 1045. Oct. 13, 1966. 1 p.
- 17300 2262. Authorizing Committee on House Administration to sit, hold hearings, and issue subpoenas in carrying out its duties. Report from Committee on Rules to accompany H. Res. 1047. Oct. 13, 1966. 1 p.
- 17301 2263. Authorizing Committee on Post Office and Civil Service to conduct certain studies in Far East and Western European countries. Report from Committee on Rules to accompany H. Res. 1048. Oct. 13, 1966. 1 p.

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- 17302 2265. Motor carrier incidental charter rights. Report from Committee on Interstate and Foreign Commerce to accompany S. 2893. Oct. 13, 1966. 3 p.
- 17303 2266. Investigation of HEW. Report of Special Subcommittee on Investigation of Department of Health, Education, and Welfare of Committee on Interstate and Foreign Commerce; Oct. 13, 1966. 1966. xi+159+A164 p. il. 9 pl.
- 17304 2267. Treatment of State and local taxes for purposes of computing Federal excise tax on cigars. Report from Committee on Ways and Means to accompany H.R. 8244. Oct. 13, 1966. 4 p.
- 17305 2268. Working capital fund for Department of Treasury. Report from Committee on Ways and Means to accompany H.R. 11158. Oct. 13, 1966. 2 p.
- 17306 2269. Free importation of certain specialized educational equipment. Report from Committee on Ways and Means to accompany H.R. 12318. Oct. 13, 1966. 4 p.
- 17307 2270. Combat pay exclusion. Report from Committee on Ways and Means to accompany H.R. 17271. Oct. 13, 1966. 2 p.
- 17308 2271. Comprehensive health planning and public health services amendments of 1966. Report from Committee on Interstate and Foreign Commerce to accompany H.R. 18231. Oct. 13, 1966. 35 p.
- 17309 2273. Tax treatment of certain indirect purchases of stock. Report from Committee on Ways and Means to accompany H.R. 18230. Oct. 13, 1966. 5 p.
- 17310 2274. Fur seal act of 1966. Conference report to accompany S. 2102. Oct. 13, 1966. 4 p.
- 17311 2275. Military construction appropriation bill, 1967. Conference report to accompany H.R. 17637. Oct. 13, 1966. 4 p. [Corrected print.]
- 17312 2276. Pay increases for District of Columbia policemen, firemen, and teachers. Conference report to accompany H.R. 15857. Oct. 13, 1966. 17 p.
- 17313 2277. Changing inland, Great Lakes, and western river rules. Report from Committee on Merchant Marine and Fisheries to accompany S. 1349. Oct. 13, 1966. 5 p.
- 17314 2278. Carriage of military cargoes. Report from Committee on Merchant Marine and Fisheries to accompany H.R. 15283. Oct. 14, 1966. 39 p.
- 17315 2279. Release of valueless liens. Report from Committee on Agriculture to accompany H.R. 9151. Oct. 14, 1966. 6 p.
- 17316 2280. Contingent liabilities of Government. Report from Committee on Ways and Means to accompany S. 1013. Oct. 14, 1966. 6 p.
- 17317 2281. Extension of time for filing certain requests under Tariff schedules technical amendments act. Report from Committee on Ways and Means to accompany H. R. 13363. Oct. 14, 1966. 2 p.
- 17318 2282. Tariff classification of Chinese gooseberries. Report from Committee on Ways and Means to accompany H.R. 16160. Oct. 14, 1966. 2 p.
- 17319 2284. Supplemental appropriation bill, 1967. Report from Committee on Appropriations to accompany H.R. 18381. Oct. 14, 1966. 24 p.
- 17320 2285. Safety of life at sea. Conference report to accompany H.R. 10327. Oct. 14, 1966. 8 p.
- 17321 2286. Fair packaging and labeling act. Conference report to accompany S. 985. Oct. 14, 1966. 12 p. L.C. card 66-62966
- 17322 2287. U.S. naval construction battalions (Seabees) and Navy Civil Engineer Corps commemorative medals. Report from Committee on Banking and Currency to accompany H.R. 17658. Oct. 14, 1966. 2 p.
- 17323 2288. Waiving all points of order against bill H.R. 18381. Report from Committee on Rules to accompany H. Res. 1058. Oct. 15, 1966. 1 p. [Relates to supplemental appropriations for 1967.]
- 17324 2289. Clean waters restoration act of 1966. Conference report to accompany S. 2947. Oct. 15, 1966. 23 p. L.C. card 66-62964
- 17325 2290. Fish protein concentrate. Conference report to accompany S. 2720. Oct. 17, 1966. 5 p.
- 17326 2291. Report of 9th meeting of Canada-United States Interparliamentary Group, May 18-22, 1966, Washington, D.C., by Cornelius E. Gallagher, Chairman of House of Representatives delegation, pursuant to Public law 42, 86th Congress; Oct. 17, 1966. 1966. vii+16 p. L.C. card 61-61195
- 17327 2292. District of Columbia appropriation bill, 1967. Conference report to accompany H.R. 17636. Oct. 17, 1966. 6 p.
- 17328 2293. Duty treatment of limestone for cement. Report from Committee on Ways and Means to accompany H.R. 5950. Oct. 17, 1966. 2 p.
- 17329 2294. Duty treatment of dicyandiamide. Report from Committee on Ways and Means to accompany H.R. 16077. Oct. 17, 1966. 2 p.
- 17330 2295. Relating to crime and criminal procedure in District of Columbia. Conference report to accompany H.R. 5688. Oct. 17, 1966. 27 p.
- 17331 2296. Qualification for social security benefits as widow, widower, or stepchild. Report from Committee on Ways and Means to accompany H.R. 18085. Oct. 17, 1966. 4 p.
- 17332 2297. Tariff treatment of certain articles. Conference report to accompany H.R. 11216. Oct. 17, 1966. 4 p.
- 17333 2298. Economic opportunity amendments of 1966. Conference report to accompany H.R. 15111. Oct. 17, 1966. 38 p. [Corrected print.]
- 17334 2299. Certain assessments for depreciable property. Report from Committee on Ways and Means to accompany H.R. 7030. Oct. 18, 1966. 5 p.

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## House reports on public bills, 89th Congress—Continued

- 17335 2300. Payments for podiatrists' services under supplementary medical insurance program. Report from Committee on Ways and Means to accompany H.R. 13455. Oct. 18, 1966 3 p.
- 17336 2301. Demonstration cities and metropolitan development act of 1966. Conference report to accompany S.3708. Oct. 18, 1966. 48 p.  
L.C. card 66-62965
- 17337 2303. Duty on certain nonmalleable iron castings. Report from Committee on Ways and Means to accompany H.R. 13116. Oct. 18, 1966. 4 p.
- 17338 2304. Food for peace. Conference report to accompany H.R. 14929. Oct. 18, 1966. 22 p.  
L.C. card 66-65720
- 17339 2305. Proceedings against Yolanda Hall. Report from Committee on Un-American Activities citing Yolanda Hall. Oct. 18, 1966. 28 p.
- 17340 2306. Proceedings against Jeremiah Stamler. Report from Committee on Un-American Activities citing Jeremiah Stamler. Oct. 18, 1966. 20 p.
- 17341 2308. Suspensions of investment credit and accelerated depreciation. Conference report to accompany H.R. 17607. Oct. 18, 1966. 11 p.
- 17342 2309. Elementary and secondary education amendments of 1966. Conference report to accompany H.R. 13161. Oct. 18, 1966. 46 p.
- 17343 2315. Providing additional compensation for services performed by employees in House Publications Distribution Service. Report from Committee on House Administration to accompany H.Res. 1056. Oct. 19, 1966. 1 p.
- 17344 2316. Narcotic addict rehabilitation. Conference report to accompany H.R. 9167. Oct. 19, 1966. 20 p.  
L.C. card 66-65721
- 17345 2318. Government use of satellite communications. 43d report by Committee on Government Operations; Oct. 16, 1966. 1966. vi+105 p.  
L.C. card 66-62968
- 17346 2319. Evaluation of donable surplus property program. 44th report by Committee on Government Operations; Oct. 19, 1966. 1966. v+47 p. [Includes additional views of Chet Holifield.]
- 17347 2321. Consenting to entry of Massachusetts into bus taxation proration agreement. Conference report to accompany H.R. 13335. Oct. 19, 1966. 3 p.
- 17348 2325. Departments of State, Justice, and Commerce, the judiciary, and related agencies appropriation bill, fiscal year 1967. Conference report to accompany H.R. 18119. Oct. 19, 1966. 7 p.
- 17349 2326. Higher education amendments of 1966. Conference report to accompany H.R. 14644. Oct. 19, 1966. 13 p.
- 17350 2331. Departments of Labor, Health, Education, and Welfare, and related agencies appropriation bill, fiscal year 1967. Conference report to accompany H.R. 14745. Oct. 20, 1966. 13 p.
- 17351 2333. Supplemental appropriations, 1967. Conference report to accompany H.R. 18381. Oct. 21, 1966. 6 p.
- 17352 2335. Organizational conspiracies act of 1966. Report together with separate and dissenting views from Committee on Un-American Activities to accompany H.R. 16606. Oct. 21, 1966. 28 p.
- 17353 2336. 2d report on U.S.-owned foreign currencies (with special reference to Poland and Yugoslavia). 46th report by Committee on Government Operations; Oct. 21, 1966. 1966. v+20 p. [Includes additional views of Ogden R. Reid, Donald Rumsfeld, and Robert Dole.]

## *Agriculture Committee, House* Washington, D.C. 20515

### [Committee hearings], 89th Congress. † ● Item 1010

- 17354 NN. Soil surveys for community planning and resource development, hearing before Subcommittee on Conservation and Credit, 89th Congress, 2d session, on S. 902, H.R. 2076, H.R. 6423, H.R. 13552, and H.R. 13566, July 14, 1966. 1966. iii+39 p.  
L.C. card 66-62395 Y 4.Ag 8/1: So 3/7
- 17355 OO. Emergency loans for first processors, hearing, 89th Congress, 2d session, on H.R. 15661, July 12, 1966. 1966. iii+38 p.  
L.C. card 66-62394 Y 4.Ag 8/1: L 78/10
- 17356 XX. Rural telephone financing, hearings before Subcommittee on Conservation and Credit, 89th Congress, 2d session, on title 5 and title 6, committee print no. 3, H.R. 14837, Sept. 13 and 14, 1966. 1966. iii+52 p.  
L.C. card 66-62823 Y 4.Ag 8/1: T 23/2

## *Appropriations Committee, House* Washington, D.C. 20515

- 17357 Department of Defense appropriations for 1967, additional hearings before subcommittee, 89th Congress, 2d session, F-111B aircraft program. 1966. ii+17 p. † ● Item 1011  
L.C. card 61-60926 Y 4.Ap 6/1: D 36/5/967-2

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- 17358 Military construction appropriations for 1967, hearings before subcommittee, 89th Congress, 2d session. ● Item 1011  
L.C. card 66-61854 Y 4.Ap 6/1: M 59/6/967/pt.3  
pt. 3. Additional testimony on construction in Southeast Asia, [Aug. 30, 1966]. 1966. ii+113+ii p. il. †

*Armed Services Committee, House*  
Washington, D.C. 20515

[Papers], 89th Congress. † ● Item 1012 Y 4.Ar 5/2a: 965-66/(nos.)

NOTE.—These papers consist largely of hearings. They are paged continuously for binding at the end of session of Congress under title "Hearings before Committee on Armed Services of the House of Representatives on sundry legislation affecting the naval and military establishments." Title page, contents, and index are issued for each volume.

- 17359 82. Special Subcommittee on Discharges and Dismissals consideration of H.R. 16646 and H.R. 15053, to amend title 10, United States Code, to authorize award of exemplary rehabilitation certificates to certain individuals after considering their character and conduct in civilian life after discharge or dismissal from Armed Forces, and for other purposes, and H.R. 10267, to amend title 10 of United States Code to extend for period of 10 years time during which certain military, naval, and air service records may be corrected. [1966.] p. 10285-314.
- 17360 87. Subcommittee on Real Estate consideration of H.R. 15244, to authorize Secretary of Army to adjust legislative jurisdiction exercised by United States over lands within Camp Atterbury, Ind., Aug. 8, 1966. 1966. p. 10819-823.
- 17361 93. Subcommittee no. 3 consideration of H.R. 17500, to amend chap. 141 of title 10, United States Code, to provide for price adjustments in contracts for procurement of milk by Department of Defense. [1966.] p. 10941-11028.
- 17362 95. Report of Special Subcommittee on Proposed Disposal of U.S. Naval Academy Dairy Farm, 89th Congress, 2d session; Oct. 6, 1966. 1966. iii+11071-77 p.  
L.C. card 66-62715
- 17363 97. Hearings before Special Subcommittee on Commercial Air Transportation for Service Personnel While on Authorized Leave, 89th Congress, 2d session, June 13-Sept. 28, 1966. [1966.] ii+11089-636+ii p. il. 1 pl.  
L.C. card 66-62824
- 17364 98. Subcommittee no. 2 consideration of H.R. 17451, to amend titles 10 and 37, United States Code, to authorize certain rank, pay, and retirement privileges for officers serving in certain positions, and for other purposes. [1966.] p. 11637-670.
- 17365 101. Report on stockpiling, report of subcommittee no. 1, 89th Congress, 2d session, Oct. 21, 1966. 1966. iii+11705-780 p.  
L.C. card 66-62997

*Banking and Currency Committee, House*  
Washington, D.C. 20515

- 17366 Inter-American Development Bank's role in agricultural development, hearing before Subcommittee on International Finance, 89th Congress, 2d session, Aug. 29, 1966. 1966. iv+175 p. † ● Item 1013  
L.C. card 66-62807 Y 4.B 22/1: In 8/13
- 17367 Investigation of servicemen's purchasing and financing problems, hearing before Subcommittee on Domestic Finance, 89th Congress, 2d session, Aug. 19, 1966. 1966. iii+240 p. il. [These hearings were held in Newark, N.J.] † ● Item 1013  
L.C. card 66-62806 Y 4.B 22/1: Se 6
- 17368 Review of policies and practices of various Government financial agencies, hearing, 89th Congress, 1st session, Treasury Department, Feb. 9, 1965. 1966. ii+36 p. † ● Item 1013  
L.C. card 66-65701 Y 4.B 22/1: F 49/8
- 17369 To prohibit banks from performing certain nonbanking services, hearings before Subcommittee on Bank Supervision and Insurance, 89th Congress, 2d session, on H.R. 112, H.R. 117, H.R. 10529, Mar. 9-15, 1966. 1966. v+228 p. il. † ● Item 1013  
L.C. card 66-62825 Y 4.B 22/1: B 22/13

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*District of Columbia Committee, House*  
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- 17370 Authorizing public community college of arts and sciences, and public vocational technical college, hearings before subcommittee no. 4, 89th Congress, 2d session, on H.R. 16958, [and other bills]; Sept. 12, 19, 1966. 1966. iv+210 p. † ● Item 1014  
L.C. card 66-62722 Y 4.D 63/1: C 68

*Education and Labor Committee, House*  
Washington, D.C. 20515

- 17371 Capitol architecture and planning, hearings before Special Subcommittee on Labor, 89th Congress, 2d session, on H.R. 16100, July 26-Aug. 4, 1966. 1966. iv+143 p. † ● Item 1015  
L.C. card 66-65705 Y 4.Ed 8/1: C 17
- 17372 Education and training of the handicapped, hearings before Ad Hoc Subcommittee on the Handicapped, 89th Congress, 2d session, on investigation of adequacy of Federal and other resources for education and training of the handicapped. ● Item 1015  
L.C. card 66-62808 Y 4.Ed 8/1: H 19/3/pt. 1  
pt. 1. June 6-22, 1966. 1966. vii+611 p. ii †
- 17373 Elementary and secondary education amendments of 1966 (Seattle), hearing before General Subcommittee on Education and Ad Hoc Subcommittee on War on Poverty Program, 89th Congress, 2d session, on H.R. 13160 and 13161, Apr. 14, 1966. 1966. v+89 p. [Hearings held in Seattle, Wash.] † ● Item 1015  
L.C. card 66-62809 Y 4.Ed 8/1: Ed 8/24/966-3
- 17374 Higher education amendments of 1966, hearings before Special Subcommittee on Education, 89th Congress, 2d session, on H.R. 13174 and H.R. 13237, Mar. 10-17, 1966. 1966. viii+324 p. † ● Item 1015  
L.C. card 66-62810 Y 4.Ed 8/1: Ed 8/26/966
- 17375 National school lunch act, hearing before Select Subcommittee on Education, 89th Congress, 2d session, on S. 3467, July 21, 1966. 1966. iii+30 p. † ● Item 1015  
L.C. card 66-62084 Y 4.Ed 8/1: Sch 6/25

*Foreign Affairs Committee, House*  
Washington, D.C. 20515

- 17376 Atlantic Union, hearings, 89th Congress, 2d session, on H. Con. Res. 523, H.J. Res. 769, and similar resolutions, Aug. 30-Sept. 20, 1966. 1966. iv+194 p. † ● Item 1017  
L.C. card 66-62716 Y 4.F 76/1: At 6/966
- 17377 Claims of nationals of United States against Chinese Communist regime, hearing before Subcommittee on Far East and Pacific, 89th Congress, 2d session, on S. 3675, Sept. 29, 1966. 1966. iii+20 p. † ● Item 1017  
L.C. card 66-62717 Y 4.F 76/1: C 44/7
- 17378 Passports and right to travel, study of administrative control of citizen [with bibliography of law review articles]; prepared by Legislative Reference Service, Library of Congress, for Subcommittee on State Department Organization and Foreign Operations; Aug. 23, 1966. 1966. v+174 p. (Subcommittee print, 89th Congress, 2d session.) [Prepared in 1956 by Freeman W. Sharp and published July 10, 1958 and brought up to date to reflect most recent court decisions and administrative actions.] ‡  
L.C. card 66-62993 Y 4.F 76/1: P 26/10/966

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*Government Operations Committee, House*  
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- 17379 Civil Service Commission training activities, hearing before subcommittee, 89th Congress, 1st session, Sept. 21, 1965. 1966. iii+10 p. † ● Item 1016  
L.C. card 66-65703 Y 4.G 74/7 : C 49/4
- 17380 Congressional review of price-wage guideposts, hearing before subcommittee, 89th Congress, 2d session, on H.R. 11916, Sept. 12, 1966. iv+126 p. il. † ● Item 1016  
L.C. card 66-62811 Y 4.G 74/7 : P 93/3
- 17381 Water pollution, Great Lakes, hearing before subcommittee, 89th Congress, 2d session. † ● Item 1016  
L.C. card 66-62484 Y 4.G 74/7 : W 29/2/pt. 2, 3
- pt. 2. Onondaga, Oneida, Ontario, and Finger Lakes, Aug. 19, 1966. 1966. iv+281-464 p. il.  
pt. 3. Western Lake Erie, Detroit River, Lake St. Clair, and tributaries, Sept. 9, 1966. 1966. vi+465-834 p. il.

*Interstate and Foreign Commerce Committee, House*  
Washington, D.C. 20515

- [Committee hearings] serial, 89th Congress. † ● Item 1019  
Y 4.In 8/4 : 89-(nos.)
- 17382 47. Leasing of Clarinda, Iowa, airport property, hearing before Subcommittee on Transportation and Aeronautics, 89th Congress, 2d session, on H.R. 10700, Sept. 27, 1966. 1966. iii+12 p.  
L.C. card 66-62638
- 17383 49. Federal airport act extension, hearing, 89th Congress, 2d session, on H.R. 13665, S. 3096, Sept. 28, 1966. 1966. iii+73 p. il.  
L.C. card 66-62634
- 17384 50. Railroad retirement act, supplemental benefits, hearing before Subcommittee on Commerce and Finance, 89th Congress, 2d session, on H.R. 17285, Sept. 27, 1966. 1966. iii+38 p.  
L.C. card 66-62612
- 17385 51. Airports at national parks, hearings before Subcommittee on Transportation and Aeronautics, 89th Congress, 2d session, on H.R. 11089, Sept. 27 and Oct. 3, 1966. 1966. iii+16 p.  
L.C. card 66-62636
- 17386 52. Comprehensive health planning and public health services amendments of 1966, hearing, 89th Congress, 2d session, on H.R. 13197, H.R. 18231, H.R. 18232, S. 3008, Oct. 11, 1966. 1966. iv+125 p.  
L.C. card 66-62812
- 17387 53. Incidental bus charter rights, hearing before Subcommittee on Transportation and Aeronautics, 89th Congress, 2d session, on H.R. 12916, S. 2893, Oct. 12, 1966. 1966. iii+12 p.  
L.C. card 66-62813

*Judiciary Committee, House*  
Washington, D.C. 20515

- [Committee hearings] serial, 89th Congress. ● Item 1020
- 17388 19. To incorporate American Academy of Actuaries, hearings before subcommittee no. 4, 89th Congress, 2d session, on H.R. 4470, H.R. 5987, and S. 1154, Feb. 16, 1966. 1966. iii+99 p. †  
L.C. card 66-62411 4c Y 4.J89/1 : 89/19

*Merchant Marine and Fisheries Committee, House*  
Washington, D.C. 20515

- [Committee hearings] serial, 89th Congress. ● Item 1021
- 17389 30. Maritime manpower shortage, hearings before Special Subcommittee on Maritime Education and Training, 89th Congress, 2d session, Mar. 31-Oct. 4, 1966. vi+430 p. il. 1 pl. †  
L.C. card 66-65706 Y 4.M 53 : 89-30
- 17390 Miscellaneous fisheries legislation, hearings before Subcommittee on Fisheries and Wildlife Conservation, 89th Congress, 1st and 2d sessions, pt. 2, Fishermen's organization rights, Pacific Halibut Commission, Migratory waterfowl regulations, Fish protein concentrate, Fishery resources survey, Pribilof Islands, fur seals, H.R. 3955 [and other bills], June 17, 1965-Aug. 24, 1966. 1966. ix+414 p. il. (Serial 89-29.) † ● Item 1021  
L.C. card 66-62179 Y 4.M 53 : 89-29

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## *Post Office and Civil Service Committee, House* Washington, D.C. 20515

- 17391 Improved manpower management in Federal Government, examples for period Jan.-June 1966, Subcommittee on Manpower, 89th Congress, 2d session; Oct. 1966. 1966. xi+24 p. (Committee print.) ‡ ● Item 1022-A  
L.C. card 66-62981 Y 4.P 84/10 : M 31/5/966

## *Public Works Committee, House* Washington, D.C. 20515

- [Committee hearings, serial], 89th Congress. ● Item 1024  
17392 41. Site for Organization of American States and international center, hearings before Subcommittee on Public Buildings and Grounds, 89th Congress, 2d session, on H.R. 14936 (and related bills), July 28 and Aug. 1, 1966. 1966. iii+100 p. il. †  
L.C. card 66-65709 Y 4.P 96/11 : 89-41

## *Rules Committee, House* Washington, D.C. 20515

- 17393 Policies and guidelines for school desegregation, hearings, 89th Congress, 2d session, on H. Res. 826, Sept. 29 and 30, 1966. 1966. iii+54 p. †  
● Item 1025  
L.C. card 66-65707 Y 4.R 86/1 : Sch 6/2

## *Science and Astronautics Committee, House* Washington, D.C. 20515

- [Paper], 89th Congress, 2d session. ● Item 1025-A  
17394 7. Adequacy of technology for pollution abatement, hearings before Subcommittee on Science, Research, and Development, 89th Congress, 2d session. †  
L.C. card 66-62721 Y 4.Sci 2 : 89-2/7/v. 1, 2  
v. 1. July 20-Sept. 19, 1966. 1966. iv+1-604 p. il.  
v. 2. July 20-Sept. 19, 1966. 1966. iii+605-915 p. il.

## *Small Business, Select Committee on, House* Washington, D.C. 20515

- 17395 Activities of regulatory and enforcement agencies relating to small business, hearings before subcommittee no. 6, 89th Congress, 2d session, pursuant to H. Res. 13. ● Item 1031  
L.C. card 66-62723 Y 4.Sm 1 : R 26/3/966/pt. 2  
pt. 2. Federal Communications Commission, Mar. 15-July 28, 1966. 1966. vi+385-769+A 323-A 686 p. il. †

## *Un-American Activities Committee, House* Washington, D.C. 20515

- 17396 Hearings regarding H.R. 15678, H.R. 15689, H.R. 15744, H.R. 15754, and H.R. 16099, bills to curb terrorist organizations, hearings, 89th Congress, 2d session, July 20-22, 1966. 1966. v+1399-1521+v p. \* Paper, 40c.  
● Item 1026  
L.C. card 66-62815 Y 4.Un 1/2 : T 27

## *Veterans' Affairs Committee, House* Washington, D.C. 20515

- 17397 Benefits provided former members of United States Armed Forces in Republic of Philippines, hearings, 89th Congress, 2d session, on H.R. 16330 and H.R. 16367, Aug. 2, 1966. 1966. iii+4313-42 p. † ● Item 1027  
L.C. card 66-62070 Y 4.V 64/3 : B 43/13

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*Ways and Means Committee, House*  
Washington, D.C. 20515

- 17398 Legislative history of H.R. 8000, 88th Congress, Interest equalization tax act, Public law 88-563. 1966. ix+1257 p. \* Paper, \$3.75.  
L.C. card 66-65708 Y 4.W 36: T 19/39
- 17399 Legislative history of H.R. 12752, 89th Congress, Tax adjustment act of 1966, Public law 89-368. 1966. xi+1260 p. il. [Page numbered 474 is blank, but no text has been omitted.] ‡  
L.C. card 66-62739 Y 4.W 36: T 19/38
- 17400 President's proposal on suspension of investment credit and application of accelerated depreciation, hearings, 89th Congress, 2d session, on H.R. 17607, Sept. 12-16, 1966. 1966. xi+519 p. † ● Item 1028  
L.C. card 66-62617 Y 4.W 36: C 86
- 17401 Written statements by interested individuals and organizations on H.R. 6958, Treasury proposal to amend Internal revenue code to promote savings under automatic data processing system; June 13, 1966. 1966. iii+24 p. (Committee print, 89th Congress, 2d session.) †  
L.C. card 66-62307 Y 4.W 36: In 8/24

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- 17402 Factual campaign information; compiled by Senate Library under direction of Emery L. Frazier, Secretary of Senate, Richard D. Hupman, Librarian, Revised Sept. 24, 1966. 1966. iii+98 p. 1 tab. ‡  
L.C. card 56-60948 Y 1.3: C 15/2/966-3

*Senate documents*

NOTE.—All Senate documents, entries for which are followed by a †, may be obtained from the Senate Document Room or from the issuing office.

Senate documents, 89th Congress.

- 17403 41. Amendments to request for appropriations for Department of Army, Corps of Engineers, civil, fiscal year 1966. July 14, 1965. 3 p. † (Not sent to depository libraries)
- 17404 105. Our Capitol, factual information pertaining to our Capitol and places of interest in National Capital [with reference list; prepared by Emery L. Frazier]. 1966. iv+84 p. il. \* Paper, 35c. ● Item 996  
L.C. card 63-62294
- 17405 116. Where our Nation stands at home and abroad, Republican report on 2d session, 89th Congress, by Everett McKinley Dirksen of Illinois, minority leader; Oct. 14, 1966. 1966. [1]+15 p. † ● Item 996
- 17406 117. Proposed supplemental appropriations for various agencies, fiscal year 1967. Oct. 17, 1966. 5 p. † ● Item 996
- 17407 118. Record of press conference statements made by Everett McKinley Dirksen and Gerald R. Ford for Republican Leadership of Congress; Oct. 14, 1966. 1966. v+36 p. † ● Item 996  
L.C. card 64-60501
- 17408 124, pt. 1. Profile of youth, 1966, report prepared for Subcommittee on Employment, Manpower, and Poverty of Committee on Labor and Public Welfare, by Legislative Reference Service, Library of Congress, pt. 1; Aug. 1966. 1966. xvi+1-317 p. il. \* Paper, \$1.00. (To be sent to depository libraries in Serial set binding)  
L.C. card 66-62582  
Same: pt. 2; Aug. 1966. 1966. xxix+319-908 p. \* Paper, \$1.75. (To be sent to depository libraries in Serial set binding)  
L.C. card 66-62582

*Senate reports*

NOTE.—For titles of bills which these reports accompany, see Congressional record index.

Senate reports on private bills, 89th Congress. † Senate Document Room, Capitol. ● Item 1008-B (except Reports 343, 356, 457, and 636).

- 17409 343. Roza Feuer. Report from Committee on Judiciary to accompany S. 864. June 22, 1965. 4 p. (Not sent to depository libraries)
- 17410 356. Frantisek Vohryzka. Report from Committee on Judiciary to accompany S. 943. June 22, 1965. 8 p. (Not sent to depository libraries)

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## Senate reports on private bills, 89th Congress—Continued

- 17411 457. Mrs. Hertha L. Wohlmuth. Report from Committee on Judiciary Committee to accompany S. 711. July 15, 1965. 8 p. (Not sent to depository libraries)
- 17412 636. Miloye M. Sokitch. Report from Committee on Judiciary to accompany S. 356. Aug. 20, 1965. 13 p. (Not sent to depository libraries)
- 17413 1286. Authorizing Eugene J. Keogh to accept award of Order of Isabella the Catholic. Report from Committee on Foreign Relations to accompany H.R. 11227. June 17, 1966. 1 p.
- 17414 1621. Amending act of June 10, 1844, in order to clarify corporate name of Georgetown University, and for other purposes. Report from Committee on District of Columbia to accompany H.R. 16863. Sept. 20, 1966. 4 p.
- 17415 1680. Conveying certain mineral interests to Allen E. Dominick. Report from Committee on Interior and Insular Affairs to accompany S. 1101. Oct. 6, 1966. 5 p.
- 17416 1697. Conveying certain lands in Inyo County, Calif. Report from Committee on Interior and Insular Affairs to accompany H.R. 9520. Oct. 7, 1966. 5 p.
- 17417 1698. Authorizing Secretary of Interior to convey certain lands in Plumas County, Calif. to C. A. Lundy. Report from Committee on Interior and Insular Affairs to accompany H.R. 3104. Oct. 7, 1966. 5 p.
- 17418 1744 For relief of widow of Albert M. Pepoon. Report from Committee on Post Office and Civil Service to accompany S. 2205. Oct. 14, 1966. 4 p.
- 17419 1749. CWO Glen Zeigler. Report from Committee on Judiciary to accompany S. 2798. Oct. 18, 1966. 4 p.
- 17420 1755. Tri-States Construction Co., Inc. Report from Committee on Judiciary to accompany H.R. 12237. Oct. 18, 1966. 26 p.
- 17421 1757. Robert A. Ivins. Report from Committee on Judiciary to accompany H.R. 13683. Oct. 18, 1966. 4 p.
- 17422 1760. Walter W. Taylor. Report from Committee on Judiciary to accompany H.R. 15251. Oct. 18, 1966. 4 p.
- 17423 1761. Leonard G. Duffy. Report from Committee on Judiciary to accompany H.R. 15297. Oct. 18, 1966. 3 p.
- 17424 1772. Henriette Lecordier Redmon. Report from Committee on Judiciary to accompany S. 2474. Oct. 18, 1966. 4 p.
- 17425 1778. John W. Rogers. Report from Committee on Judiciary to accompany S. 3111. Oct. 18, 1966. 3 p.
- 17426 1780. Estate of Patrick E. Eagan. Report from Committee on Judiciary to accompany S. 3144. Oct. 18, 1966. 3 p.
- 17427 1782. Dr. Pablo A. Suarez. Report from Committee on Judiciary to accompany S. 3241. Oct. 18, 1966. 4 p.
- 17428 1784. Mary Rose Giannone. Report from Committee on Judiciary to accompany S. 3564. Oct. 18, 1966. 5 p.
- 17429 1785. Dr. Sherif Shafey. Report from Committee on Judiciary to accompany S. 3572. Oct. 18, 1966. 8 p.
- 17430 1789. Bryce A. Smith. Report from Committee on Judiciary to accompany H.R. 3075. Oct. 18, 1966. 7 p.
- 17431 1793. Albert Carter. Report from Committee on Judiciary to accompany H.R. 3537. Oct. 18, 1966. 7 p.
- 17432 1795. Jean A. Quaintance. Report from Committee on Judiciary to accompany H.R. 4077. Oct. 18, 1966. 6 p.
- 17433 1803. Certain civilian employees of Department of Army at Fort Sam Houston, Tex. Report from Committee on Judiciary to accompany H.R. 9217. Oct. 18, 1966. 6 p.
- 17434 1808. Kim Kap Yung. Report from Committee on Judiciary to accompany H.R. 12826. Oct. 18, 1966. 4 p.
- 17435 1823. Ernesto Sanchez Jerez. Report from Committee on Judiciary to accompany S. 3278. Oct. 18, 1966. 6 p.
- 17436 1824. Nachman Bench. Report from Committee on Judiciary to accompany S. 3559. Oct. 18, 1966. 7 p.
- 17437 1829. Juanita Cereguine de Burgh. Report from Committee on Judiciary to accompany H.R. 3689. Oct. 18, 1966. 4 p.
- 17438 1832. Hye Suk Paeng and Mi Kung Paeng (Patricia Ann). Report from Committee on Judiciary to accompany S. 3137. Oct. 18, 1966. 7 p.
- 17439 1883. Dr. Eric J. Lazaro. Report from Committee on Judiciary to accompany H.R. 3526. Oct. 20, 1966. 5 p.
- 17440 1884. Dr. Julio Cesar Muniz y Sotolongo. Report from Committee on Judiciary to accompany H.R. 3531. Oct. 20, 1966. 4 p.
- 17441 1886. Ernest Buillet. Report from Committee on Judiciary to accompany H.R. 3879. Oct. 20, 1966. 7 p.
- 17442 1887. Dr. Jorge Ignacio Miquel Franca. Report from Committee on Judiciary to accompany H.R. 5622. Oct. 20, 1966. 4 p.
- 17443 1888. Dr. Jose A. G. Mendoza. Report from Committee on Judiciary to accompany H.R. 6115. Oct. 20, 1966. 4 p.
- 17444 1889. Dr. Bienvenido Benach Carreras. Report from Committee on Judiciary to accompany H.R. 6226. Oct. 20, 1966. 4 p.
- 17445 1890. Dr. Antonio U. Catasus. Report from Committee on Judiciary to accompany H.R. 6443. Oct. 20, 1966. 5 p.
- 17446 1891. Dr. Myriam de la Caridad Ares y Fernandez de Bosch. Report from Committee on Judiciary to accompany H.R. 6899. Oct. 20, 1966. 4 p.
- 17447 1892. Dr. Ricardo R. Fuste. Report from Committee on Judiciary to accompany H.R. 7341. Oct. 20, 1966. 3 p.

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‡Official Use. Not Available

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- 17448 1894. Dr. Luis E. Bencomo. Report from Committee on Judiciary to accompany H.R. 10253. Oct. 20, 1966. 3 p.
- 17449 1895. Dr. Allan Bauman. Report from Committee on Judiciary to accompany H.R. 10259. Oct. 20, 1966. 5 p.
- 17450 1896. Gloria Alesna Relampagos. Report from Committee on Judiciary to accompany H.R. 10832. Oct. 20, 1966. 7 p.
- 17451 1897. Dr. Pedro Raphael. Report from Committee on Judiciary to accompany H.R. 11224. Oct. 20, 1966. 3 p.
- 17452 1898. Julieta Gloria Bersamin. Report from Committee on Judiciary to accompany H.R. 11254. Oct. 20, 1966. 6 p.
- 17453 1900. Dr. Juan Antonio Dumois. Report from Committee on Judiciary to accompany H.R. 11640. Oct. 20, 1966. 3 p.
- 17454 1902. Muriel Williams. Report from Committee on Judiciary to accompany H.R. 11957. Oct. 20, 1966. 4 p.
- 17455 1906. Mario P. Navarro. Report from Committee on Judiciary to accompany H.R. 13101. Oct. 20, 1966. 2 p.
- 17456 1909. Dr. Ali Haji-Morad. Report from Committee on Judiciary to accompany H.R. 15488. Oct. 20, 1966. 5 p.
- 17457 1910. Vicente Fernandez Marino. Report from Committee on Judiciary to accompany H.R. 16522. Oct. 20, 1966. 2 p.
- 17458 1915. Nermin Demirbag Lavapies. Report from Committee on Judiciary to accompany H.R. 13192. Oct. 20, 1966. 6 p.

Senate reports on public bills, 89th Congress. † Senate Document Room, Capitol. (Nos. 1721 and 1724 are sold by Superintendent of Documents.)  
 ● Item 1008-A (except Reports 245, 247, and 265)

- 17459 245. National Technical Institute for the Deaf act. Report from Committee on Labor and Public Welfare to accompany H.R. 7031. May 25, 1965. 10 p. (Not sent to depository libraries)
- 17460 247. Older Americans act of 1965. Report from Committee on Labor and Public Welfare to accompany H.R. 3708. May 26, 1965. 12 p. (Not sent to depository libraries)  
 L.C. card 65-61732
- 17461 265. Antitrust and monopoly activities, 1964. Report of Committee on Judiciary, by Subcommittee on Antitrust and Monopoly pursuant to S. Res. 262, 88th Cong., 2d sess. together with individual views; May 27, 1965. 1965. 16 p. (Not sent to depository libraries)  
 L.C. card 65-61735
- 17462 1426. Alaska Experiment Station. Report from Committee on Agriculture and Forestry to accompany S. 3421. Aug. 3, 1966. 2 p.
- 17463 1427. Delete interest rate limitation on debentures issued by Federal intermediate credit banks. Report from Committee on Agriculture and Forestry to accompany S.J. Res. 178. Aug. 3, 1966. 4 p.
- 17464 1428. FNMA amendments of 1966. Report from Committee on Banking and Currency to accompany S. 3688. Aug. 3, 1966. 4 p.
- 17465 1429. Approving contract negotiated with El Paso County Improvement District No. 1, Tex., authorizing execution, and for other purposes. Report from Committee on Interior and Insular Affairs to accompany H.R. 11671. Aug. 4, 1966.
- 17466 1430. Exchange of fluorspar and ferromanganese. Report from Committee on Armed Services to accompany H.R. 15485. Aug. 4, 1966. 4 p.
- 17467 1456. Authorizing Administrator of General Services to accept title to John Fitzgerald Kennedy Library, and for other purposes. Report from Committee on Government Operations to accompany H.J. Res. 1207. Aug. 11, 1966. 21 p.
- 17468 1465. Authorizing printing of additional copies of veterans' benefits calculator. Report from Committee on Rules and Administration to accompany H. Con. Res. 52. Aug. 17, 1966. 1 p.
- 17469 1466. Authorizing printing as House document of report on arrangements for 100th anniversary of 2d inaugural of Abraham Lincoln. Report from Committee on Rules and Administration to accompany H. Con. Res. 373. Aug. 17, 1966. 1 p.
- 17470 1468. Authorizing printing of additional copies of House report 973 (on S. 2300, River and harbor, beach erosion, flood control projects and water supply). Report from Committee on Rules and Administration to accompany H. Con. Res. 579. Aug. 17, 1966. 1 p.
- 17471 1469. Authorizing printing of additional copies of House hearings on H.R. 6991 (Public works and economic development act of 1965). Report from Committee on Rules and Administration to accompany H. Con. Res. 580. Aug. 17, 1966. 1 p.
- 17472 1470. Authorizing printing of Constitution of United States as House document. Report from Committee on Rules and Administration to accompany H. Con. Res. 599. Aug. 17, 1966. 1 p.
- 17473 1472. Authorizing printing of additional copies of committee print entitled Conflicts between Federal research programs and Nation's goals for higher education. Report from Committee on Rules and Administration to accompany H. Con. Res. 619. Aug. 17, 1966. 1 p.
- 17474 1475. Authorizing printing of additional copies of committee print entitled Study of Federal credit programs. Report from Committee on Rules and Administration to accompany H. Con. Res. 666. Aug. 17, 1966.
- 17475 1484. Airlift of mail for members of U.S. Armed Forces overseas. Report from Committee on Post Office and Civil Service to accompany H.R. 13448. Aug. 19, 1966. 10 p.

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## Senate reports on public bills, 89th Congress—Continued

- 17476 1488. Retirement benefits for employees of Botanic Garden. Report from Committee on Post Office and Civil Service to accompany H.R. 6686. Aug. 24, 1966. 3 p.
- 17477 1499. Obstruction of criminal investigations. Report from Committee on Judiciary to accompany S. 2188. Aug. 24, 1966. 10 p.
- 17478 1502. Enlargement of jurisdiction of Federal district courts with respect to petitions for habeas corpus by persons in custody under judgments and sentences of State courts. Report from Committee on Judiciary to accompany S. 3576. Aug. 24, 1966. 11 p.
- 17479 1504. Tenure for judges of U.S. District Court of Puerto Rico. Report from Committee on Judiciary to accompany H.R. 3999. Aug. 24, 1966. 7 p.
- 17480 1505. Bible Translation Day. Report from Committee on Judiciary to accompany S.J. Res. 169. Aug. 24, 1966. 1 p.
- 17481 1506. Authorizing holding of U.S. District Court for District of Connecticut at New London. Report from Committee on Judiciary to accompany H.R. 2653. 3 p.
- 17482 1507. Permitting Indian tribes to maintain civil actions in Federal district courts without regard to \$10,000 limitation. Report from Committee on Judiciary to accompany S. 1356. Aug. 24, 1966. 5 p.
- 17483 1518. Amending law establishing revolving fund for expert assistance loans to Indian tribes. Report from Committee on Interior and Insular Affairs to accompany S. 3354. Aug. 24, 1966. 4 p.
- 17484 1534. Parcel post. Report from Committee on Post Office and Civil Service to accompany H.R. 14904. Aug. 26, 1966. 23 p.
- 17485 1535. District of Columbia certified public accountancy act of 1966. Report from Committee on District of Columbia, to accompany H.R. 13558. Aug. 26, 1966. 7 p.
- 17486 1536. Providing alternate method for acquisition of site for Shaw Junior High School. Report from Committee on District of Columbia to accompany H.R. 15858. Aug. 26, 1966. 2 p.
- 17487 1544. Amendment to Connally hot oil act. Report from Committee on Commerce to accompany H.R. 10860. Aug. 30, 1966. 4 p.
- 17488 1557. Establishment of public college of arts and sciences and public junior-vocational college in District of Columbia. Report from Committee on District of Columbia to accompany S. 293. Aug. 31, 1966. 16 p.
- 17489 1580. Authorizing Board of Regents of Smithsonian Institution to negotiate cooperative agreements granting concessions at National Zoological Park to certain nonprofit organizations and to accept voluntary services of such organizations or of individuals, and for other purposes. Report from Committee on Rules and Administration to accompany S. 3230. Aug. 31, 1966. 3 p.
- 17490 1592. Hudson River Basin compact. Report from Committee on Interior and Insular Affairs to accompany H.R. 13508. Sept. 8, 1966. 20 p.
- 17491 1593. Directing Secretary of Interior to reinstate certain oil and gas lease. Report from Committee on Interior and Insular Affairs to accompany S. 2918. Sept. 8, 1966. 4 p.
- 17492 1594. Extending authority for payment of special allowances to evacuated dependents of members of uniformed services. Report from Committee on Armed Services to accompany H.R. 11979. Sept. 9, 1966. 6 p.
- 17493 1595. Authorizing grade of brigadier general in Medical Service Corps of Regular Army. Report from Committee on Armed Services to accompany H.R. 11488. Sept. 9, 1966. 6 p.
- 17494 1596. Authorizing Regular commissions for male nurses and medical specialists in Army, Navy, and Air Force. Report from Committee on Armed Services to accompany H.R. 420. Sept. 9, 1966. 21 p.
- 17495 1630. Providing for conveyance of certain real property to Commonwealth of Puerto Rico. Report from Committee on Interior and Insular Affairs to accompany H.R. 3433. Sept. 21, 1966. 5 p.
- 17496 1661. Assistance to certain veterans for summer courses of education. Report from Committee on Labor and Public Welfare to accompany S. 3805. Sept. 28, 1966. 5 p.
- 17497 1662. Proposed amendment to Atomic Energy's fiscal year 1967 authorization act pertaining to nuclear power-desalting facility. Report from Joint Committee on Atomic Energy to accompany S. 3807. Sept. 28, 1966. 8 p.
- 17498 1671. Aid to Menominee County. Report from Committee on Labor and Public Welfare to accompany H.R. 8034. Sept. 30, 1966. 6 p.
- 17499 1674. Elementary and secondary education amendments of 1966. Report together with supplemental and individual views from Committee on Labor and Public Welfare to accompany S. 3046. Oct. 3, 1966. 155 p.
- 17500 1678. Florence agreement implementation legislation. Report from Committee on Finance to accompany H.R. 8664. Oct. 5, 1966. 33 p.
- 17501 1682. Guadalupe Mountains National Park, Tex. Report from Committee on Interior and Insular Affairs to accompany H.R. 698. Oct. 6, 1966. 10 p. L.C. card 66-62844
- 17502 1684. Providing for disposition of judgment funds on deposit to credit of Skokomish Tribe of Indians. Report from Committee on Interior and Insular Affairs to accompany H.R. 3596. Oct. 6, 1966. 9 p.
- 17503 1685. Providing for disposition of funds appropriated to pay judgments in favor of Miami Indians of Indiana and Oklahoma. Report from Committee on Interior and Insular Affairs to accompany H.R. 7466. Oct. 6, 1966. 12 p.

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- 17504 1686. Providing for disposition of funds appropriated to pay judgment in favor of Quileute Tribe of Indians, including Hoh Tribe. Report from Committee on Interior and Insular Affairs to accompany H.R. 10633. Oct. 6, 1966. 21 p.
- 17505 1687. Providing for disposition of funds appropriated to pay judgment in favor of Ojibwa and Missouri Tribe of Indians. Report from Committee on Interior and Insular Affairs to accompany H.R. 10674. Oct. 6, 1966. 12 p.
- 17506 1688. Providing for disposition of funds appropriated to pay judgment in favor of Duwamish Tribe of Indians in Indian Claims Commission docket 109, and for other purposes. Report from Committee on Interior and Insular Affairs to accompany H.R. 10747. Oct. 6, 1966. 6 p.
- 17507 1689. Providing for disposition of funds appropriated to pay judgment in favor of Nooksack Tribe of Indians. Report from Committee on Interior and Insular Affairs to accompany H.R. 12437. Oct. 6, 1966. 10 p.
- 17508 1690. Permitting persons from countries friendly to United States to receive instruction at service academies. Report from Committee on Armed Services to accompany S. 3887. Oct. 6, 1966. 4 p.
- 17509 1691. Special leave for member of uniformed service who voluntarily extends tour of duty in hostile fire area. Report from Committee on Armed Services, to accompany H.R. 15748. Oct. 6, 1966. 3 p.
- 17510 1692. Travel and transportation allowances of certain members of uniformed services released from active duty. Report from Committee on Armed Services to accompany H.R. 266. Oct. 6, 1966. 5 p.
- 17511 1693. Limiting revocation of retired pay. Report from Committee on Armed Services to accompany H.R. 5297. Oct. 6, 1966. 4 p.
- 17512 1694. Permitting members of Armed Forces to be assigned or detailed to Environmental Science Services Administration, Department of Commerce. Report from Committee on Armed Services, to accompany H.R. 17119. Oct. 6, 1966. 4 p.
- 17513 1695. Military construction appropriation bill, 1967. Report from Committee on Appropriations to accompany H.R. 17637. Oct. 7, 1966. 33 p.
- 17514 1696. Transferring to Atomic Energy Commission complete administrative control of approximately 78 acres of public domain land located in Otowi section near Los Alamos County. Report from Committee on Interior and Insular Affairs to accompany H.R. 16813. Oct. 7, 1966. 4 p.
- 17515 1699. Providing for reimbursement to Wyoming for improvements made on certain lands in Sweetwater County, Wyo. Report from Committee on Interior and Insular Affairs to accompany S. 84. Oct. 7, 1966. 6 p.
- 17516 1702. Authorizing disposal of Government-owned long-lines communication facilities in Alaska. Report from Committee on Armed Services to accompany S. 2444. Oct. 10, 1966. 19 p.
- 17517 1703. Authorizing long-term leases on San Xavier and Salt River Pima-Maricopa Indian Reservation, Ariz. Report from Committee on Interior and Insular Affairs to accompany H.R. 7648. Oct. 10, 1966. 11 p.
- 17518 1704. Providing for popular election of Governor of Guam, and for other purposes. Report from Committee on Interior and Insular Affairs to accompany H.R. 11775. Oct. 10, 1966. 29 p.
- 17519 1705. Providing for popular election of Governor of Virgin Islands and for other purposes. Report from Committee on Interior and Insular Affairs to accompany H.R. 11777. Oct. 10, 1966. 29 p.
- 17520 1706. District of Columbia appropriation bill, 1967. Report from Committee on Appropriations to accompany H.R. 17636. Oct. 11, 1966. 25 p.
- 17521 1707. Foreign investors tax act of 1966, Presidential election campaign fund act, and other amendments. Report of Committee on Finance to accompany H.R. 13103, Oct. 11, 1966. 1966. vi+80 p.
- 17522 1708. Federal tax lien act of 1966. Report of Committee on Finance to accompany H.R. 11256; Oct. 11, 1966. 1966. v+36 p.
- 17523 1710. Reserve for certain guaranteed debt obligations. Report from Committee on Finance to accompany H.R. 11782. Oct. 11, 1966. 9 p.
- 17524 1711. Deductibility of accrued vacation pay. Report from Committee on Finance to accompany H.R. 16774. Oct. 11, 1966. 3 p.
- 17525 1712. Manpower development and training amendments of 1966. Report from Committee on Labor and Public Welfare to accompany H.R. 16715. Oct. 12, 1966. 20 p.
- 17526 1713. Model secondary school for the deaf act. Report from Committee on Labor and Public Welfare to accompany S. 3758. Oct. 12, 1966. 5 p.
- 17527 1714. Veterinary medical education act of 1966. Report from Committee on Labor and Public Welfare to accompany H.R. 3348. Oct. 12, 1966. 9 p.
- 17528 1715. International education act of 1966. Report from Committee on Labor and Public Welfare to accompany H.R. 14643. Oct. 12, 1966. 21 p.
- 17529 1716. U.S. Committee on Human Rights. Report from Committee on Foreign Relations to accompany S. 3101. Oct. 12, 1966. 5 p.
- 17530 1717. Location of Colorado River in Palo Verde Irrigation District, Calif. Report from Committee on Interior and Insular Affairs to accompany H.R. 13955. Oct. 12, 1966. 25 p.
- 17531 1718. Amending Railroad retirement act of 1937 and Railroad retirement tax act. Report from Committee on Labor and Public Welfare together with individual views to accompany H.R. 17285. Oct. 13, 1966. 37 p.
- 17532 1719. Amending Railroad retirement act of 1937. Railroad unemployment insurance act and Railroad retirement tax act. Report together with individual views from Committee on Labor and Public Welfare to accompany H.R. 14355. Oct. 13, 1966. 53 p.
- 17533 1720. Public works authorization, 1966, rivers and harbors, flood control and multiple-purposes project. Report of Committee on Public Works to accompany S. 3906; Oct. 13, 1966. 1966. iv+88 p.

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# GOVERNMENT PUBLICATIONS

## Senate reports on public bills, 89th Congress—Continued

- 17534 1721. Tax consequences of contributions to needy older relatives. Report by Special Committee on Aging together with minority views; Oct. 13, 1966. 1966. iii+31 p. \* Paper, 15c.
- 17535 1722. Allied health professions personnel training act of 1966. Report from Committee on Labor and Public Welfare to accompany H.R. 13196. Oct. 13, 1966. 45 p. L.C. card 66-62967
- 17536 1723. Income tax treatment of certain distributions pursuant to Bank holding company act of 1956. Report from Committee on Finance to accompany H.R. 11257. Oct. 13, 1966. 11 p.
- 17537 1724. Suspensions of investment credit and accelerated depreciation. Report of Committee on Finance to accompany H.R. 17607; Oct. 13, 1966. 1966. iv+45 p. \* Paper, 25c.
- 17538 1725. Weather modification act of 1966. Report from Committee on Commerce to accompany S. 2916. Oct. 13, 1966. 40 p.
- 17539 1726. Departments of State, Justice, and Commerce, the judiciary, and related agencies appropriation bill, 1967. Report from Committee on Appropriations to accompany H.R. 18119. Oct. 13, 1966. 24 p.
- 17540 1727. Education and training in Veterans' Administration hospitals, and exchange of medical techniques and information. Report from Committee on Labor and Public Welfare to accompany H.R. 11631. Oct. 13, 1966. 43 p.
- 17541 1730. Executive salary positions for officers of Smithsonian Institution. Report from Committee on Post Office and Civil Service to accompany H.R. 15727. Oct. 14, 1966. 5 p. [Corrected copy.]
- 17542 1731. Providing for acquisition and preservation of property known as Ansley Wilcox House in Buffalo, N.Y., as national historic site. Report from Committee on Interior and Insular Affairs to accompany H.R. 2600. Oct. 14, 1966. 5 p.
- 17543 1737. Authorizing printing of report entitled International education, past, present, problems and prospects as House document. Report from Committee on Rules and Administration to accompany H. Con. Res. 1007. Oct. 14, 1966. 1 p.
- 17544 1738. Authorizing printing of additional copies of House hearings entitled World war on hunger. Report from Committee on Rules and Administration to accompany H. Con. Res. 1017. Oct. 14, 1966. 1 p.
- 17545 1739. Authorizing printing of pamphlet entitled Our American Government, what is it? how does it function? as House document. Report from Committee on Rules and Administration to accompany H. Con. Res. 1022. Oct. 14, 1966. 1 p.
- 17546 1741. Authorizing appointment of special subcommittee of Committee on Judiciary to study encroachments by executive and judicial branches upon powers of Congress. Report from Committee on Rules and Administration to accompany S. Res. 305. Oct. 14, 1966. 2 p.
- 17547 1742. Increased annuities for widows of former Lighthouse Service employees. Report from Committee on Commerce to accompany S. 2980. Oct. 14, 1966. 7 p.
- 17548 1745. Authorizing study of facilities and services to be furnished visitors and students coming to Nation's Capital. Report from Committee on Interior and Insular Affairs to accompany H.R. 14604. Oct. 17, 1966. 6 p.
- 17549 1746. 25th anniversary of Seabees and 100th anniversary of Navy Civil Engineer Corps medal. Report from Committee on Banking and Currency to accompany S. 3881. [1966.] 14 p.
- 17550 1747. Amending act entitled Act to establish Advisory Commission on Intergovernmental Relations, approved Sept. 24, 1959. Report from Committee on Government Operations to accompany H.R. 15335. Oct. 18, 1966. 8 p.
- 17551 1748. To further codify titles 10 and 37 of United States Code. Report from Committee on Judiciary to accompany H.R. 9778. Oct. 18, 1966. 62 p.
- 17552 1763. Vietnam era veterans' readjustment assistance act. Report from Committee on Finance to accompany S. 3580. Oct. 18, 1966. 18 p.
- 17553 1765. Veterans pension act of 1966. Report from Committee on Finance to accompany H.R. 17488. Oct. 18, 1966. 23 p.
- 17554 1770. Amendment of provisions of title 18 of United States Code relating to offenses committed in Indian country. Report from Committee on Judiciary to accompany H.R. 872. Oct. 18, 1966. 10 p.
- 17555 1797. Habeas corpus, State custody. Report from Committee on Judiciary to accompany H.R. 5958. Oct. 18, 1966. 32 p.
- 17556 1834. Providing for control or elimination of jellyfish and other pests. Report from Committee on Commerce to accompany H.R. 11475. Oct. 18, 1966. 7 p.
- 17557 1835. Sale of grain storage facilities. Report from Committee on Agriculture and Forestry to accompany H.R. 12360. Oct. 18, 1966. 5 p.
- 17558 1836. Fair farm budget. Report from Committee on Agriculture and Forestry to accompany S. 3699. Oct. 18, 1966. 6 p.
- 17559 1841. Supplemental appropriation bill, 1967. Report from Committee on Appropriations to accompany H.R. 18381. Oct. 19, 1966. 29 p.
- 17560 1866. Federal firearms amendments of 1966. Report together with individual views from Committee on Judiciary to accompany S. 3767. Oct. 19, 1966. 101 p.

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- 17561 1881. Operation of art. 7, NATO status of forces treaty. Report of Committee on Armed Services made by its Subcommittee on Operations of Art. 7 of NATO Status of Force Agreement, to review for period Dec. 1, 1964–Nov. 30, 1965, operation of Art. 7 of agreement between parties to North Atlantic Treaty, together with other criminal jurisdictional arrangements throughout world: Oct. 19, 1966. 1966. iii+15 p. il.  
L.C. card 56–61872
- 17562 1917. Income tax treatment of casualty losses attributable to major disasters, etc. Report from Committee on Finance to accompany H.R. 7502. Oct. 21, 1966. 9 p.

*Aging, Special Committee on, Senate*  
Washington, D.C. 20510

- 17563 Needs for services revealed by operation Medicare Alert, hearing before Subcommittee on Federal, State, and Community Services, 89th Congress, 2d session, June 2, 1966. 1966. iii+105 p. \* Paper, 30c. ● Item 1009  
L.C. card 66–62430 Y 4.Ag 4: Se 6/4

*Agriculture and Forestry Committee, Senate*  
Washington, D.C. 20510

- 17564 Approval of cherry marketing orders, hearing before subcommittee, 89th Congress, 2d session, on S. 3420, Oct. 11, 1966. 1966. iii+41 p. †  
● Item 1032  
L.C. card 66–62817 Y 4.Ag 8/2: C 42
- 17565 Classification of Department of Agriculture budget, hearing before subcommittee, 89th Congress, 2d session, on S. 3699, Oct. 11, 1966. 1966. iii+37 p. † ● Item 1032  
L.C. card 66–62818 Y 4.Ag 8/2: Ag 8/21

*Appropriations Committee, Senate*  
Washington, D.C. 20510

- 17566 Department of Defense appropriations for fiscal year 1967, hearings, 89th Congress, 2d session, on H.R. 15941. † ● Item 1033  
L.C. card 60–61493 Y 4.Ap 6/2: D 36/4/967/pt.2  
pt. 2. 1966. ii+749+xxx1 p. il.
- 17567 Departments of State, Justice, and Commerce, the judiciary, and related agencies appropriations, fiscal year 1967, hearings before subcommittee, 89th Congress, 2d session, on H.R. 18119. 1966. ii+783+xii p. il. †  
● Item 1033  
L.C. card 60–61699 Y 4.Ap 6/2: St 2/967
- 17568 Foreign assistance and related agencies appropriations for fiscal year 1967, hearings, 89th Congress, 2d session, on H.R. 17788. 1966. ii+391+vii p. il. † ● Item 1033  
L.C. card 66–62645 Y 4.Ap 6/2: F 76/7/967
- 17569 Supplemental appropriations for fiscal year 1967, hearings, 89th Congress, 2d session, on H.R. 18381. 1966. ii+468+vii p. † ● Item 1033  
L.C. card 66–65713 Y 4.Ap 6/2: Ap 6/2/967

*Armed Services Committee, Senate*  
Washington, D.C. 20510

- 17570 Imprisonment and escape of Lt. (jg.) Dieter Dengler, USNR, hearing, 89th Congress, 2d session, testimony of Lt. (jg.) Dieter Dengler, USNR, on his escape from imprisonment after his aircraft was shot down over North Vietnam, Sept. 16, 1966. 1966. ii+28 p. † ● Item 1034  
L.C. card 66–62707 Y 4.Ar 5/3: D 41
- 17571 Nominations of Paul C. Warnke and Russell D. O'Neal, hearing, 89th Congress, 2d session, on nomination of Paul C. Warnke to be General Counsel of Department of Defense, nomination of Russell D. O'Neal to be Assistant Secretary of Army, Sept. 16, 1966. 1966. iii+6 p. † ● Item 1034  
L.C. card 66–62826 Y 4.Ar 5/3: W 24

## GOVERNMENT PUBLICATIONS

- 17572 Operation of art. 7, NATO status of forces treaty, hearing before subcommittee, 89th Congress, 2d session, to review, for period Dec. 1, 1964–Nov. 30, 1965, operation art. 7 of agreement between parties to North Atlantic Treaty together with other criminal jurisdictional arrangements throughout world, Aug. 26, 1966. 1966. iii+23 p. il. † ● Item 1034  
L.C. card 60-61696 Y 4.Ar 5/3: N 81/966

### *Banking and Currency Committee, Senate* Washington, D.C. 20510

- 17573 Nomination of Robert L. Rand, hearing 89th Congress, 2d session, on nomination of Robert L. Rand to be member of Federal Home Loan Bank Board, Sept. 13, 1966. 1966. iii+5 p. † ● Item 1035  
L.C. card 66-62417 Y 4.B 22/3: R 15/2

### *Commerce Committee, Senate* Washington, D.C. 20510

[Committee hearings] serial, 89th Congress. † ● Item 1041

Y 4.C 73/2: 89-(nos.)

- 17574 68. Abusive and harassing telephone calls, hearings before Subcommittee on Communications, 89th Congress, 2d session, on S. 2825 and S. 3072, May 11 and June 14, 1966. 1966. iii+74 p. il.  
L.C. card 66-62643
- 17575 70. Maritime legislation (consolidation of shipping laws, restricting cargo preference shipments to U.S. vessels), hearings before Subcommittee on Merchant Marine and Fisheries, 89th Congress, 2d session, on S. 3446, S. 2600; May 26 and June 27, 1966. 1966. iii+179 p.  
L.C. card 66-62830
- 17576 71. Amendment to Federal power act (antitrust review), hearings, 89th Congress, 2d session, on S. 3136, July 12 and 13, 1966. 1966. iv+120 p. il.  
L.C. card 66-62827
- 17577 72. Extra-high-voltage electric transmission lines, hearings, 89th Congress, 2d session, on S. 1472, S. 2139, S. 2140, July 27–29, 1966. 1966. v+150 p. il.  
L.C. card 66-62828

### *Congress, Special Committee on Organization of, Senate* Washington, D.C. 20510

NOTE.—The Special Committee on the Organization of Congress was established by S. Res. 293, 89th Congress, 2d session.

- 17578 Organization of Congress, hearings, 89th Congress, 2d session, pursuant to S. Res. 293, Aug. 31 and Sept. 8, 1966. 1966. iii+64 p. † ● Item 1009  
L.C. card 66-62618 Y 4.C 76/6: Or 3

### *Foreign Relations Committee, Senate* Washington, D.C. 20510

- 17579 Nominations of Nicholas deB. Katzenbach, Eugene V. Rostow, and Foy D. Kohler, hearings, 89th Congress, 2d session, on nominations of Nicholas deB. Katzenbach to be Under Secretary of State, Eugene V. Rostow to be Under Secretary of State for Political Affairs, and Foy D. Kohler to be Deputy Under Secretary of State for Political Affairs, Sept. 27 and Oct. 4, 1966. 1966. iii+75 p. † ● Item 1039  
L.C. card 66-65710 Y 4.F 76/2: K 15

### *Government Operations Committee, Senate* Washington, D.C. 20510

- 17580 Atlantic Alliance, hearings before Subcommittee on National Security and International Operations, 89th Congress, 2d session. ● Item 1037  
L.C. card 66-61443 Y 4.G 74/6: At 6/4/pt. 7  
pt. 7. Supplement; Aug. 15, 1966. 1966. iii+221–231 p. †
- 17581 Intergovernmental personnel act of 1966, hearings before Subcommittee on Intergovernmental Relations, 89th Congress, 2d session, on S. 3408, Aug. 16–18, 1966. 1966. v+277 p. † ● Item 1037  
L.C. card 66-65712 Y 4.G 74/6: In 8/2

\*For Sale by Superintendent of Documents

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‡Official Use. Not Available

- 17582 Population crisis, hearings before Subcommittee on Foreign Aid Expenditures, 89th Congress, 2d session, on S. 1676. ● Item 1037  
L.C. card 66-60601 Y 4.G 74/6: P 81/966/pt. 1  
pt. 1. Jan.19-Feb. 9, 1966. 1966. vi+1-292 p. il. \* Paper, \$1.00.

*Interior and Insular Affairs Committee, Senate*  
Washington, D.C. 20510

- 17583 Ecological research and surveys, hearing, 89th Congress, 2d session, on S. 2282, Apr. 27, 1966. 1966. iv+160 p. † ● Item 1040  
L.C. 66-62076 Y 4.In 8/13: Ec 7
- 17584 Guadalupe Mountains National Park, hearings before Subcommittee on Parks and Recreation, 89th Congress, 1st and 2d sessions on S. 295 and H.R. 698, July 21, 1965 and Aug. 9, 1966. 1966. v+133 p. il. † ● Item 1040  
L.C. card 66-62619 Y 4.In 8/13: G 93/3
- 17585 Palo Verde lands, hearings, 89th Congress, 2d session, on S. 3104, Aug. 19, 1966. 1966. iii+91 p. † ● Item 1040  
L.C. card 66-62832 Y 4.In 8/13: P 18/966-2

*Judiciary Committee, Senate*  
Washington, D.C. 20510

- 17586 Laws relating to wiretapping and eavesdropping [prepared by Grover S. Williams, Legislative Reference Service, Library of Congress], submitted by Subcommittee on Administrative Practice and Procedure; Aug. 1966. 1966. vii+63 p. (Committee print, 89th Congress, 2d session.) †  
L.C. card 66-65702 Y 4.J 89/2: W 74/6
- 17587 Prices of quinine and quinidine, hearings before Subcommittee on Antitrust and Monopoly, 89th Congress, 2d session, pursuant to S. Res. 191, May 16-23, 1966. 1966. iv+170 p. il. † ● Item 1042  
L.C. card 66-62489 Y 4.J 89/2: Q 4
- 17588 State Department security, 1963-65, hearings before Subcommittee to Investigate Administration of Internal Security Act and Other Internal Security Laws, 89th Congress, 2d session. ● Item 1042  
L. C. card 65-62350 Y 4.J 89/2: St 2/8/963-65/pt. 20  
pt. 20. Otepka case 18. 1966. xiii+1655-1806+v p. il. \* Paper, 45c.

*Labor and Public Welfare Committee, Senate*  
Washington, D.C. 20510

- 17589 Amend Older Americans act of 1965, hearings before Special Subcommittee on Aging, 89th Congress, 2d session, on S. 2877 and S. 3326, May 24-June 15, 1966. 1966. v+1-199b, 200-214 p. † ● Item 1043  
L.C. card 66-62074 Y 4.L 11/2: OI 1/2
- 17590 Amend sec. 302 of Taft-Hartley act, hearing before Subcommittee on Labor, 89th Congress, 2d session, on H.R. 1153, H.R. 10774, Oct. 14, 1966. 1966. v+93 p. † ● Item 1043  
L.C. card 66-65714 Y 4.L 11/2: T 12/966
- 17591 Health professions personnel, hearings before Subcommittee on Employment and Manpower, 89th Congress, 2d session, on S. 3102, H.R. 13196, S. 509, H.R. 3348, Oct. 6, 1966. 1966. vi+349 p. il. † ● Item 1043  
L.C. card 66-62833 Y 4.L 11/2: H 34/13
- 17592 Manpower development and training act amendments of 1966, hearing before Subcommittee on Employment, Manpower, and Poverty, 89th Congress, 2d session, on H.R. 16715, Sept. 27, 1966. 1966. iii+53 p. † ● Item 1043  
L.C. card 66-62712 Y 4.L 11/2: M 31/7/966

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# GOVERNMENT PUBLICATIONS

17593 Nomination, hearing, 89th Congress, 2d session, on Paul A. Miller, of West Virginia, to be Assistant Secretary of Department of Health, Education, and Welfare; Aug. 10, 1966. 1966. ii+9 p. † ● Item 1043  
L.C. card 66-62259 Y 4.L 11/2: N 72/5/966-6

17594 Nominations, hearing, 89th Congress, 2d session, on Edgar F. Talbott, sr., Harry R. Pauley, and Charles R. Ferguson to be members of Federal Coal Mine Safety Board of Review, Aug. 30, 1966. 1966. ii+6 p. † ● Item 1043  
L.C. card 66-65711 Y 4.L 11/2: N 72/5/966-7

## *Post Office and Civil Service Committee, Senate* Washington, D.C. 20510

17595 Firefighters' premium pay, hearing before Subcommittee on Retirement, 89th Congress, 2d session, on H.R. 16114, Sept. 23, 1966. 1966. iii+20 p. † ● Item 1044  
L.C. card 66-62835 Y 4.P 84/11: F 51

17596 Retirement credit for Federal-State services, hearing before Subcommittee on Retirement, 89th Congress, 2d session, on S. 898; June 24, 1966. 1966. iii+28 p. † ● Item 1044  
L.C. card 66-61980 Y 4.P 84/11: R 31/10/966

## *Public Works Committee, Senate* Washington, D.C. 20510

17597 Public works authorizations, 1966, rivers and harbors, flood control and multiple-purpose projects, hearings before Subcommittee on Flood Control, Rivers and Harbors, 89th Congress, 2d session, Sept. 22-26, 1966. 1966. vi+290 p. † ● Item 1045  
L.C. card 66-62705 Y 4.P 96/10: P 96/7/966

17598 Washington Channel bridge, hearing before Subcommittee on Flood Control, Rivers and Harbors, 89th Congress, 2d session, on S. 2723, Aug. 23, 1966. 1966. iii+53 p. † ● Item 1045  
L.C. card 66-62260 Y 4.P 96/10: B 76/5

## *Small Business, Select Committee on, Senate* Washington, D.C. 20510

17599 Expansion of livestock exports, hearings, 89th Congress, 2d session, on potentials and problems of expanding exports of United States meat and livestock products, May 18 and 19, 1966. 1966. v+360 p. il. † ● Item 1049  
L.C. card 66-62836 Y 4.Sm 1/2: L 75

## **CONSUMER AND MARKETING SERVICE, Agriculture Dept.** Washington, D.C. 20250

17600 Institutional meat purchase specifications for fresh beef, series 100; approved by USDA. Oct. 1960, slightly revised Sept. 1966. [1966.] iv+14+[1] p. il. 4° (Livestock Division.) \* Paper, 20c.  
A 88.17/4: B 39/966

17601 Know the eggs you buy, consider size, consider quality, eggs are graded for both size and quality; [colored poster]. Revised Aug. 1966. 1966. 45 x 30 in. (Poultry Division.) \* Paper, \$22.50 per 100; single poster, 30c.  
A 88.38: E 3/2/966

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Catalog of copyright entries, 3d series, v. 19. \* Paper, \$20.00 a yr. (including semiannual issues of pts. 1-13); \$5.75 additional for foreign mailing. LC 3.6/5: v.19/pt.(nos.)/no. (nos.)

- 17602 pt. 6. Maps and atlases, no. 2; July-Dec. 1965. 1966. ix+153-249 p. 4°  
● Item 797  
L.C. card 6-35347  
NOTE.—Part 6 is also sold separately on subscription. \* Paper, \$1.00 a yr., 25c. additional for foreign mailing; single copy 50c.
- 17603 pt. 11B. Commercial prints and labels, no. 2, July-Dec. 1965. 1966. viii+75-129 p. 4° \* Paper, \$2.00 a yr., 50c. additional for foreign mailing; single copy, \$1.00 ● Item 799  
L.C. card 6-35347
- 17604 pts. 12-13. Motion pictures and filmstrips, no. 2, July-Dec. 1965. 1966. ix+79-143 p. 4° ● Item 800  
L.C. card 6-35347  
NOTE.—Parts 12-13 also sold separately on subscription. \* Paper, \$1.00 a yr., 25c. additional for foreign mailing; single copy 50c.

DEFENSE DEPARTMENT  
Washington, D.C. 20301

- 17605 Businessmen of defense, career opportunities in Defense Supply Agency. [1966.] cover title, [1]+12 p. il. oblong 8° [Foreword inserted.] †  
● Item 314-A D 7.2: C 18

Defense Supply Agency handbook DSAH (series). ● Item 314-A  
D 7.6/7: (nos.)

- 17606 4215.27. Industrial plant equipment handbook: FSC 4110, 4120, Refrigeration and air conditioning equipment. Sept. 1966. cover title, iii+88 p. 4° (SB 708-4100-1; NAVSUP pub. 5526; [Air Force Dept.] AFM 78-43; [Marine Corps] MCO P4870.31.) [Issued in looseleaf form.] \* Paper, 60c.
- 17607 4215.28. Industrial plant equipment handbook: FSC 5430, Storage tanks. Oct. 1966. cover title, iii+108 p. 4° (SB 708-5430-1; NAVSUP PUB 5527; [Air Force Dept.] AFM 78-35; [Marine Corps] MCO P4870.32.) [Issued in looseleaf form.] \* Paper, 65c.

Defense Supply Agency manual DSAM (series). ● Item 314-A

- 17608 7000.1. Accounting and finance manual. Change 11. Sept. 27, [1966]. [160] p. 4° [Issued in looseleaf form.] †  
D 7.6/8: 7000.1/ch. 11

Defense Supply Agency regulation DSAR (series). ● Item 323

- 17609 4145.26. Commercial warehouse service plan for Department of Defense agencies. [Sept. 23, 1966.] [17] p. 4° ([Army Dept.] AR 740-30; NAVSUPINST 4450.19; [Marine Corps] MCO 4450.9.) [Issued in looseleaf form. Supersedes Joint regulation AR 740-30, NAVSANDS Pub. 257, AFR 67-73, NAVMC 2517, Aug. 28, 1959.] \* Paper, 15c.  
D 7.6/6: 4145.26

- 17610 Defense Supply Agency provides logistics support for military services. 1966. [2] p. il. oblong 8°, folded into narrow 8° size. † ● Item 314-A  
D 7.2: L 82/2

Federal supply catalog: Department of Defense Section. (Defense Supply Agency.) [Issued with perforations.]

- 17611 C6145-IL-CB3. Consolidated identification list for test evaluation FSC class 6145, wire and cable, electrical, Change bulletin 3; [effective Dec. 1, 1966.] [1966.] [72] p. il. 4° (Defense Industrial Supply Center, Philadelphia, Pa.) [Supersedes C6145-IL-CB2 dated Sept. 1, 1966.] \* Paper, \$5.50 (including basic book and 3 cumulative changes); \$1.25 additional for foreign mailing.  
D 7.9: C 6145-IL-CB3

HQM (series). (Defense Supply Agency, Cameron Station, Alexandria, Va.)

- 17612 5100.1. Headquarters organization, missions and functions, Change 3. Oct. 1, [1966]. [150] p. 4° [Issued with perforations.] † ● Item 314-A  
L.C. card 66-62954 D 7.6/9: 5100.1/2/ch. 3

Logistics Research Conference [held at Airlie Conference Center, Warrenton, Va., May 26-28, 1965].

- 17613 v. 2-2. Individual professional papers pertaining to panel 2 discussion on procurement practices [with bibliography]. [1966.] cover title, [3]+87 p. il. 4° [Issued with perforations.] † ● Item 314-A  
L.C. card 65-62957 D 7.2: L 82/v.2-2

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# GOVERNMENT PUBLICATIONS

Plastics Technical Evaluation Center, Picatinny Arsenal, Dover, N.J.:  
PLASTEC note.

- 17614 6A. Government specifications and standards for plastics, covering defense engineering materials and applications (revised); by Norman E. Beach. July 1966. iv+97+[4] p. 4° [Issued with perforations.] \* Paper, \$3.00. D 4.11/2: 6A

## ECONOMIC RESEARCH SERVICE, Agriculture Dept. Washington, D.C. 20250

Agricultural economic reports. ● Item 42-C A 93.28: (nos.)

- 17615 97. Economic survey of Ozark region [with list of selected references; by Max F. Jordan and Lloyd D. Bender]. [July 1966.] cover title, vi+81 p. il. 4° [Prepared in cooperation with Agricultural Experiment Station, University of Arkansas. Text on p. 2 of cover.] \* Paper, 50c.  
L.C. card Agr. 66-359
- 17616 99. Costs of producing upland cotton in United States, 1964; [by I. R. Starbird and F. K. Hines]. [Sept. 1966.] iv+46 p. il. 4° \* Paper, 30c.  
L.C. card 66-62961

ERS-foreign (series).

- 17617 169. Agricultural economy of Finland [with list of selected references; by Geniana R. Edwards and Geraldine W. Abbott]. [Oct. 1966.] iv+31 p. il. 4° † ● Item 76-G  
L.C. card Agr. 66-350 A 93.21/2: 169
- 17618 U.S. foreign agricultural trade by countries, calendar year 1965. Nov. 1966. [2]+91 p. 4° ([Trade Statistics and Analysis Branch, Foreign Development and Trade Division.]) (Supplement to monthly Foreign agricultural trade of United States.) † ● Item 42-E  
L.C. card 66-65724 A 93.17/4: 965-2

## EDUCATION OFFICE, Health, Education, and Welfare Dept. Washington, D.C. 20202

- 17619 Business management, 1965 survey of chief business officers of colleges and universities; by Leslie F. Robbins and Paul K. Nance. [1966.] v+18 p. 4° ([OE-53027; National Center for Educational Statistics.]) \* Paper, 30c. ● Item 460-A-53  
L.C. card HEW 66-171 FS 5.253: 53027
- 17620 Campus landscape; by Jay du Von. [1966.] [10] p. il. large 4° ([OE-51012.]) [Reprinted from American education, May 1966.] \* Paper, 15c. ● Item 460-A-51 FS 5.251: 51012
- 17621 ERIC, Educational Research Information Center, national information system dedicated to progress of education through dissemination of educational research results and research-related materials. [1966.] [1]+6+[1] p. narrow 8° ([OE-12022-66.]) † ● Item 460-A-12  
FS 5.212: 12022-66
- 17622 Guaranteed loans for your college education, guide to State and private nonprofit agency programs authorized by Higher education act of 1965, student bulletin. [1966.] [2] p. narrow f°, folded into narrow 8° size. ([OE-55043; Bureau of Higher Education, Division of Student Financial Aid.]) † ● Item 460-A-55 FS 5.255: 55043
- 17623 Little miracle on Chapel Street [Library Neighborhood Center in New Haven, Conn.; by Henry Drennan]. [1966.] [8] p. il. large 4° (OE-15062.) [Reprinted from American education, July-Aug. 1966.] \* Paper, 15c. ● Item 460-A-15 FS 5.215: 15062
- 17624 Program evaluation and review technique, applications in education [with bibliography and source materials; by] Desmond L. Cook. [1966.] ix+100 p. il. (OE-12024; Cooperative Research monograph 17.) \* Paper, 45c. ● Item 460-A-12  
L.C. card HEW 66-168 FS 5.212: 12024
- 17625 Safety in your future, safety guide for pre-employment training. [1966.] 24 p. il. 12° ([OE-84032.]) [Published jointly with Labor Standards Bureau, Labor Dept.] \* Paper, 15c. ● Item 460-A-84 FS 5.284: 84032

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- 17626 State legislation relating to higher education, Jan. 1-Dec. 31, 1964; by S. V. Martorana and Jeanne D. Brandt. [1966.] viii+[1]+150+[2] p. 4° ([OE-50008-64.]) [Prepared under contract OE-4-99063.] \* Paper, \$1.00. ● Item 460-A-50  
L.C. card 66-65725 FS 5.250: 50008-64
- 17627 Training for leadership, new career development program in Office of Education. [1966.] [16] p. ([OE-11007.]) † ● Item 460-A-11  
FS 5.211: 11007

## EMERGENCY BOARDS (under sec. 10, Railway labor act) Washington, D.C. 20572

- 17628 Report to the President by Emergency Board 167, appointed by Executive Order 11291 dated July 27, 1966, pursuant to sec. 10 of Railway labor act, as amended, to investigate dispute between American Airlines, Inc., and certain of its employees represented by Transport Workers Union of America, AFL-CIO (National Mediation Board case A-7789). Aug. 27, 1966. v+27 p. † ● Item 833  
L.C. card A 66-7848 NMB 1.7: 167

## EMPLOYMENT SECURITY BUREAU, Labor Dept. Washington, D.C. 20210

- BES (series). ● Item 752-B
- 17629 U-141. Comparison of State unemployment insurance laws, Revision 1, series 1. [Aug. 31, 1966.] [146] p. il. [Issued in envelope, for mailing purposes.] \* Paper, 75c.  
L.C. card 38-26557 L 7.61: U-141/965/rev. series 1/1
- 17630 College course and beginning jobs, prospective occupations for liberal arts and science graduates. [1966.] cover title, iii+23 p. ([U.S. Employment Service.]) † ● Item 756-B L 7.25/3: Oc 1/2

## ENGINEERS CORPS (Army), Defense Dept.

NOTE.—Orders or requests for publications of the Engineers Corps, other than those sold by the Superintendent of Documents or by offices of the Engineers Corps in other cities, should be addressed to Chief of Engineers, U.S. Army, Washington, D.C. 20310, Attention Publications Office.

- 17631 Mainland areas of North Carolina, excluding Washington and New Bern, letter from chief of engineers, Army, submitting report on interim hurricane survey; Aug. 29, 1966. 1966. xxiii+61 p. 2 pl. 4° [Also issued as H. doc. 475, 89th Cong., 2d Sess.] † ● Item 334-A D 103.22: N 81c
- Manual EM (series). † ● Item 338-A D 103.6/3: (nos.)
- 17632 1110-2-2702. Engineering and design: Design of spillway tainter gates; Aug. 1, 1966. [1966.] cover title, i+23+[1] p. 12 pl. 4° [Issued with perforations. Rescinds EM 1110-2-2702, Nov. 1950.]
- 17633 1110-2-3501. Same: Foundation grouting, planning [with selected bibliography]; July 1, 1966. [1966.] cover title, iii+48+[19] p. il. 4° [Issued with perforations. Rescinds EM 1110-2-3501, (Apr. 1949, pt. 135, chap. 1) and Civil works engineer bulletins 51-16, 52-9, and 56-20.]
- 17634 Newark Bay, Hackensack and Passaic Rivers, N.J., letter from chief of engineers, Army, submitting report on review of reports; Sept. 12, 1966. 1966. xiii+102 p. il. 5 pl. 4° [Also issued as H. doc. 494, 89th Cong., 2d sess.] † ● Item 334-A D 103.22: N 42/2
- 17635 Outer Banks between Virginia State Line and Hatteras Inlet, N.C., letter from chief of engineers, Army, submitting report on interim hurricane survey; Aug. 29, 1966. [1966.] xxii+82 p. il. 2 pl. 4° [Also issued as H. doc. 476, 89th Cong., 2d sess.] † ● Item 334-A D 103.22: Ou 8

## ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION, Commerce Dept., Washington, D.C. 20235

- 17636 Tsunami, watch and warning. [1966.] [6] p. il. narrow 8° (ESSA/PI 660026.) † C 52.2: T 78

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# GOVERNMENT PUBLICATIONS

- 17637 Weather and construction industry. [1966.] 10+[2] p. il. †  
C 52.2: C 76
- 17638 World weather records, 1951-60: v. 3, South America, Central America, West Indies, Caribbean, and Bermuda. 1966. vi+355 p. 2 maps. (Environmental Data Services.) \* Cloth, \$2.50. ● Item 275  
L.C. card 59-65360 C 30.2: W 89/951-60/v. 3

## EQUAL EMPLOYMENT OPPORTUNITY COMMISSION

Washington, D.C. 20506

NOTE.—The Equal Employment Opportunity Commission was established by Public Law 88-352, 88th Congress, approved July 2, 1964 (78 Stat. 241; 42 U.S.C. 2000a).

- 17639 Facts about title 7 of Civil rights act of 1964, EEOC [Equal Employment Opportunity Commission]. [1966.] [8] p. narrow 8° † ● Item 1059-A-1  
Y 3.Eq 2: 2C 49/966

## FAMILY SERVICES BUREAU, Health, Education, and Welfare Dept., Washington, D.C. 20201

- 17640 Public assistance, vendor payments for medical care by type of service, calendar year ended Dec. 31, 1965. July 28, 1966. [14] p. oblong 8° (Division of Family Services.) [Issued with perforations.] †  
L.C. card HTW 62-152 FS 14.221: 965
- 17641 Questions and answers on medical assistance program [title 19 of 1965 amendments to Social security act]. Oct. 1966. cover title, vi+26 p. 4° [Preliminary.] † ● Item 468-B-1 FS 14.202: M 46/4/prelim.
- 17642 Reasons for opening and closing public assistance cases July-Dec. 1965. Aug. 1966. [2] p., 10 tab. 4° (Division of Program Statistics and Analysis.) [Issued with perforations.] † FS 14.214: 965-2
- 17643 Tabular release on concurrent receipt of public assistance and old-age, survivors, and disability insurance by persons aged 65 or over, early 1966. Sept. 1966. 2 p. 4 tab. 4° (Division of Research.) [Issued with perforations.] † FS 14.202: O1 1/2/966

## FARMERS HOME ADMINISTRATION, Agriculture Dept. Washington, D.C. 20250

- 17644 Press reports, building rural America, rural areas development. [Revised Oct. 1966.] [1966.] cover title, iii+51 p. il. 4° † ● Item 68  
A 84.2: P 92/966-2

## FEDERAL AVIATION AGENCY Washington, D.C. 20553

Bibliographic list. (Office of Headquarters Operations, Library Services Division.)

- 17645 12. Access to airports, selected references; [compiled by Louise K. Annus]. Aug. 1966. cover title, ii+7 p. 4° † ● Item 68  
FAA 1.10/3: 12

Federal aviation regulations. [Issued in looseleaf form.]

FAA 1.6/8: pt. (nos.)

- 17646 pt. 43. Maintenance, preventive maintenance, rebuilding, and alteration. [1966.] cover title, [1]+i+9+18 p. 4° [Consolidated reprint incorporating Changes 1-6.] \* Paper, 30c. ● Item 431-C-13
- 17647 pt. 67. Medical standards and certification. [1966.] cover title, [1]+i+9+1-4-1, 5-6 p. 4° [Consolidated reprint incorporating Changes 1-5.] \* Paper, 25c. ● Item 431-C-13
- 17648 pt. 137. Agricultural aircraft operations. [1966.] cover title, [18] p. 4° [Consolidated reprint incorporating Changes 1 and 2 and including any additional changes published to date of purchase.] \* Paper, 25c. ● Item 431-C-13

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FEDERAL COUNCIL FOR SCIENCE AND TECHNOLOGY  
Washington, D.C. 20506

ICO pamphlets. † (Interagency Committee on Oceanography.)

Y 3.F 31/16:9 (nos.)

- 17649 21. Scientific and technical personnel in oceanography. Nov. 1965. cover title, x+48 p. 4°  
L.C. card 66-62955
- 17650 23. University curricula in oceanography, academic year 1965-66. Dec. 1965. [1]+ii+116 p. 4°  
L.C. card 63-60379

FEDERAL EXTENSION SERVICE, Agriculture Dept.  
Washington, D.C. 20250

- 17651 Trends in forage crop varieties, 1965; [compiled by Jasper E. Jernigan]. [1966.] cover title, 59 p. 4° ([AST&M 69 (4-66).]) [Text on p. 2 of cover.] †  
L.C. card 61-61193 A 43.33:965

FEDERAL HOME LOAN BANK BOARD  
Washington, D.C. 20552

- 17652 Rules and regulations for Federal savings and loan system, Mar. 1, 1966, changes; pamphlet inserts 1. 1966. [18] leaves, [Issued with perforations. Covers amendments through July 1, 1966.] †  
FHL 1.6: Sa 9/966/insert 1

FEDERAL MARITIME COMMISSION  
Washington, D.C. 20573

- 17653 Decisions of Federal Maritime Commission: v. 8, Mar. 1964-Apr. 1965. 1966. xxi+[1]+774 p. \* Cloth, \$3.50. ● Item 233-A  
L.C. card 42-49992 FMC 1.10:8
- FMC-SP (series). †
- 17654 66-16. Opening remarks of John Harlee, Chairman of Federal Maritime Commission, before American Merchant Marine Conference conducted by Propeller Club of United States, Washington, D.C., Oct. 4, 1966. [1966.] 4 p. 4°  
FMC 1.9: 66-16

FEDERAL POWER COMMISSION  
Washington, D.C. 20426

FPC S (series).

- 17655 174. Hydroelectric plant construction cost and annual production expenses, 8th annual supplement, 1964; [prepared by Bureau of Power]. May 1966. xxvi+104 p. il. 4° \* Paper, 65c. ● Item 440  
L.C. card 58-61266 rev. FP 1.21: 174

National electric rate book, rate schedules for electric service in communities of 2,500 population or more, residential, commercial, and industrial services. [Issued with perforations.]

NOTE.—The complete rate book is made up of separate publications, each representing a State. They are sold on subscription basis by the Superintendent of Documents, \$8.00 a year, \$3.00 additional for foreign mailing; single copy, 25c.

- 17656 National electric rate book: Minnesota. July 1966. [2]+29 p. 4° [Supersedes issue of July 1965.] ● Item 437-A-21 FP 1.18: M 66/966
- 17657 — North Carolina. Aug. 1966. [2]+25 p. 4° [Supersedes issue of Sept. 1965.] ● Item 437-A-31 FP 1.18: N 81c/966
- 17658 — South Carolina. July 1966. [2]+12 p. 4° [Supersedes issue of Sept. 1965.] ● Item 437-A-38 FP 1.18: So 8c/966
- 17659 — Virginia. July 1966. [2]+18 p. 4° [Supersedes issue of Aug. 1965.] ● Item 437-A-44 FP 1.18: V 81/966

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Commerce, Springfield, Va. 22151

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# GOVERNMENT PUBLICATIONS

## FEDERAL RESERVE SYSTEM BOARD OF GOVERNORS Washington, D.C. 20551

- 17660 Changes in time and savings deposits, Dec. 1965-May 1966; [prepared by Caroline H. Cagle]. [1966.] [34] p. 4° [Reprinted from Federal reserve bulletin, Aug. 1966.] † FR 1.3/a : D 441/11/965-66
- Regulation (series).
- 17661 Q. Maximum rates of interest payable on time and savings deposits by member banks, supplement to regulation Q, sec. 217.6; effective Sept. 26, 1966. [1966.] 1 p. † FR 1.6 : 937/Q/supp. 8
- 17662 Revision of money supply series; [prepared by Edward R. Fry, Darwin L. Beck, and Mary F. Weaver]. [1966.] 1303-1315 p. 4° [Reprinted from Federal reserve bulletin, Sept. 1966.] † FR 1.3/a : M 746/24/966
- 17663 Treasury and Federal reserve foreign exchange operations [Mar.-Sept. 1966; prepared by Charles A. Coombs]. [1966.] p. 1316-26, 4° [Reprinted from Federal reserve bulletin, Sept. 1966.] † FR 1.3/a : F 761/2/966-2

## FEDERAL SUPPLY SERVICE, General Services Administration Washington, D.C. 20405

- 17664 Federal specifications. ● Item 563 GS 2.8:  
NOTE.—These specifications are now so completely covered by the Index of Federal specifications, standards, and handbooks with cumulative monthly supplements, that listing in the Monthly Catalog of United States Government Publications represents unnecessary and wasteful duplication of effort. For that reason they will no longer be listed.  
Complete information on the Index of Federal specifications will be found in the Appendix to the February 1966 issue of the Monthly Catalog under Entry number 3052 and in the May 1966 issue under Entry number 7426.  
Federal standards. [Issued with perforations.] ● Item 563 GS 2.8/3 : (nos.)  
NOTE.—Federal standards may be purchased from the General Services Administration, Business Service Center, Region 3, 7th and D Streets, SW., Washington, D.C. 20407. *All checks and money orders should be made payable to the Treasurer of the United States.* Single copies are available without charge at the nearest GSA regional office.
- 17665 159a. Cable and wire, thermoplastic-insulated, general purpose (0-to-600-volt service), cancellation; Aug. 17, 1966. [1966.] 1 p. 4° (FSC 6145.) [Superseded by Fed. Std. no. 242a, Cable and wire, electrical (Power, fixed installation), Aug. 17, 1966.]
- 17666 199. Chair, rotary, chair straight, wood, office (unitized furniture style). Aug. 24, 1966. [2] p. 4° (AA-C-00400 (GSA-FSS), issue in effect; FSC 7110.)
- 17667 242a. Cable and wire, electrical (power, fixed installation). Aug. 17, 1966. 4 p. 4° (FSC 6145.) [Supersedes Int. Fed. std. 00242 (GSA-FSS), Aug. 12, 1965, Fed. std. 159a, Feb. 4, 1963 and Fed. std. 163a, July 26, 1963.]
- 17668 GSA stock catalog: pt. 1, General supplies, includes all items except hand tools and standard forms. Oct. 1966. cover title, 264 p. il. 4° [Text on p. 2 of cover. Pages 261-264 are left blank for notes. Price changes, [2] p. 4°, issued also.] \* Paper, \$2.25 (including basic catalog and supplementary material for an indefinite period), 75c. additional for foreign mailing. ● Item 565-B  
L.C. card 66-65723 GS 2.10/6 : pt. 1/966

## FEDERAL WATER POLLUTION CONTROL ADMINISTRATION, Interior Dept., Washington, D.C. 20242

- 17669 Comprehensive water pollution control program for Missouri-Souris-Red River basins. [June 1966.] [2]+12[2] p. il. narrow 8° † ● Item 473-A-1 I 67.2 : M 69o
- 17670 New water for old, advanced waste treatment research, water renovation pilot plant, Lebanon facility. [1966.] cover title, 8 p. il. oblong 12° ([WP-19.]) \* Paper, 15c. ● Item 473-A-1 I 67.2 : W 29

\*For Sale by Superintendent of Documents

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- 17671 STORET II, Storage and retrieval of data for open water and land areas; by Donald P. Dubois. [1966.] iii+25 p. il. 4° ([WP-26]; Division of Pollution Surveillance.) † ● Item 473-A-1  
L.C. card 66-65750 I 67.8: St 7

FISH AND WILDLIFE SERVICE, Interior Dept.  
Washington, D.C. 20240

- C.F.S. (series). (Bureau of Commercial Fisheries.) † ● Item 610-A I 49.8/2: (nos.)  
17672 4140. Massachusetts landings, 1965, by ports, annual summary. [June 1966.] 15 p. il. 4°  
17673 4158. Massachusetts landings, 1965, by gear and subarea, annual summary. [July 1966.] 13 p. il. 4°

Circular.

- 17674 250. 1st North American Fisheries Conference, Canada, United States, Mexico, Washington, D.C. [addresses and panel discussions.]. [Sept. 1966.] [4] +72 p. il. 4° ([Bureau of Commercial Fisheries.]) [Text on p. 2 of cover. Title on cover is: Fisheries of North America. The Conference, held Apr. 30-May 5, 1965, was sponsored by National Fisheries Institute, Inc., Washington, D.C., Fisheries Council of Canada, Ottawa, and Camera Nacional de la Industria, Pesquera, Mexico, D.F.] \* Paper, 65c. ● Item 609  
L.C. card 66-62957 I 49.4: 250

Conservation note.

- 17675 19. Desert bighorn sheep. [1966.] [8] p. il. 4° \* Paper, 10c. ● Item 610 I 49.36/2: 19

Research report. ● Item 614

- 17676 69. Carp, river carpsucker, smallmouth buffalo and bigmouth buffalo in Lewis and Clark Lake, Missouri River [with lists of references; by] Charles H. Walburg and William R. Nelson. [1966.] iv+30 p. il. ([Bureau of Sport Fisheries and Wildlife.] †  
L.C. card 66-62956 I 49.26: 69

Resource publication. ● Item 613-B

- 17677 23. Wildlife research problems, programs, progress, 1965, activities in Division of Wildlife Research of Bureau of Sport Fisheries and Wildlife for calendar year 1965. [Apr. 1966.] viii+102 p. il. 4° ([Bureau of Sport Fisheries and Wildlife.]) [Includes list of publications, Jan. 1-Dec. 31, 1965.] \* Paper, 70c.  
L.C. card 61-61718 I 49.66: 23

Special scientific report: Fisheries (series). (Bureau of Commercial Fisheries.) ● Item 614-B I 49.15/2: (nos.)

- 17678 532. Growth and survival of sockeye salmon introduced into Ruth Lake after removal of resident fish populations [with list of literature cited]; by William R. Meehan. July 1966. iii+18 p. il. 4° †  
17679 533. Annual fish passage report, Rock Island Dam, Columbia River, Wash., 1965; by Paul D. Zimmer and John Broughton. Oct. 1966. iii+24 p. il. 4° †

FOREIGN AGRICULTURAL SERVICE, Agriculture Dept.  
Washington, D.C. 20250

[Foreign Agricultural Service miscellaneous] FAS M (series).

- 17680 180. World grain trade 1963-64, 1964-65 and 10 year summary; [by Horace E. Sears]. Sept. 1966. [4] +59 p. 4° †  
L.C. card Agr 66-348 A 67.26: 180

FOREST SERVICE, Agriculture Dept.  
Washington, D.C. 20250

- 17681 Black walnut culture, papers presented at Walnut Workshop, Carbondale, Ill., Aug. 2 and 3, 1966, conducted by Forest Service, Department of Agriculture, American Walnut Manufacturers' Association, Forestry Department, Southern Illinois University [with lists of literature cited]. [1966.] cover title, 94 p. il. 4° (North Central Forest Experiment Station.) [Text on p. 2 of cover. Abstract cards inserted.] †  
L.C. card Agr 66-347 A 13.82/2: W 16

# GOVERNMENT PUBLICATIONS

- 17682 List of publications, Jan. 1-June 30, 1966. [1966.] [2]+20 p. narrow 8°  
(Forest Products Laboratory.) † A 13.27/8: 966
- Research note FPL-(series). (Forest Products Laboratory, Madison, Wis.)
- 17683 FPL-0137. Light-transmitting and light-scattering properties of smoke [with bibliographies]; by Gene L. Wampfler. June 1966. cover title, 30  
+ [1] p. il. 4° †  
L.C. card 66-62669 A 13.79: FPL-0137
- Research note NE-(series). (Northeastern Forest Experiment Station, Upper Darby, Pa.) † A 13.79: NE-(nos.)
- 17684 NE-46. Cutting hardwood cants can boost sawmill profits; [by George R. Niskala and Thomas W. Church, jr. 1966. 8 p. il.
- 17685 NE-47. Average [forest] growth rates in southern Maine; [by Warren E. Frayer and Joseph E. Barnard]. 1966. 8 p. il.
- Research note PSW-(series). (Pacific Southwest Forest & Range Experiment Station, Berkeley, Calif.) † A 13.79: PSW-(nos.)
- 17686 PSW-99. Broadcast burn in 2d-growth clearcutting in north central Sierra Nevada; [by] Philip M. McDonald and Harry E. Schimke. 1966. 6 p. il. 4°
- 17687 PSW-100. Seeding conifers and buffer crops to reduce deer depredation [with list of literature cited; by] Frank J. Baron [and others]. 1966. 8 p. il. 4°
- 17688 PSW-101. Crown and tree weights of madrone, black oak, and tanoak; [by] William E. Sundahl. 1966. 4 p. il. 4°
- 17689 PSW-102. Malathion aerial spray controls pine needle-sheath miner; [by] Robert E. Stevens. 1966. 2 p. 4°
- 17690 PSW-103. MAP fixed-point, packing-unpacking routine for IBM 7094 computer; [by] Robert S. Helfman. 1966. 3 p. 4°
- 17691 PSW-104. Modifying communicative effectiveness of fire prevention signs; [by] William S. Folkman. 1966. 8 p. il. 4°
- 17692 PSW-105. Determining age of dwarfmistletoe infections on red fir; [by] Robert F. Scharpf and J. R. Parmeter, jr. 1966. 5 p. il. 4°
- 17693 PSW-107. Battery-operated pilot balloon time-signal generator; [by] Ralph H. Moltzau, jr. 1966. 8 p. il. 4°
- 17694 PSW-108. Helicopter fertilizing of foothill range; [by] Don A. Duncan and Jack N. Reppert. 1966. 3 p. 4°
- 17695 PSW-109. Children-with-matches fires in Angeles National Forest area; [by] William S. Folkman. 1966. 3 p. 4°
- 17696 PSW-112. Monthly fire behavior patterns; [by] Mark J. Schroeder and Craig C. Chandler. 1966. 15 p. il. 4°
- Research paper FPL (series). (Forest Products Laboratory, Madison, Wis.) † A 13.78: FPL-(nos.)
- 17697 FPL-60. Sorption and swelling characteristics of salt-treated wood [with list of literature cited; by B. A. Bendtsen]. May 1966. cover title, 44 p. il. 4° [Prepared in cooperation with National Forest Products Association, American Wood Preservers Institute, and American Institute of Timber Construction. Text on p. 2 and 3 of cover. Abstract cards inserted.]
- 17698 FPL-63. Hardwood log grades for standard lumber; [by C. L. Vaughan and others]. June 1966. cover title, 52 p. il. 4° [Text on p. 2 and 3 of cover. Supersedes Forest Products Laboratory report 1737. Accompanied by abstract cards.]
- Research paper NE-(series). (Northeastern Forest Experiment Station, Upper Darby, Pa.) † A 13.78: NE-(nos.)
- 17699 NE-50. Field and laboratory investigations of *Bacillus thuringiensis* as control agent for gypsy moth, *Porthetria dispar* (L.) [with list of literature cited]; by Franklin B. Lewis and Donald P. Connola. 1966. cover title, [2]+38 p. il. [Text on p. 2 and 3 of cover. Abstract cards inserted.]  
L.C. card 66-65738
- 17700 NE-51. Market for fireplace wood in urban area of Connecticut [with list of literature cited]; by George S. Nagle and Robert S. Manthey. 1966. cover title, 15 p. il. [Text on p. 2 of cover. Abstract cards inserted.]
- 17701 NE-52. Site index of yellow-poplar related to soil and topography in southern New Jersey; by John J. Phillips. 1966. cover title, [1]+10 p. il. [Abstract cards inserted.]
- 17702 NE-53. Market for wood pallets in steel industry; by Tony C. Carlson. 1966. cover title, 15 p. il. [Text on p. 2 of cover. Abstract cards inserted.]
- 17703 NE-56. Air-drying practices in central Appalachians [with list of selected references]; by Donald G. Cuppett. 1966. cover title, 19 p. il. [Evaluation of commercial sawmill operations, with some recommendations for improvements to reduce lumber losses. Abstract cards inserted.]

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Research paper PNW-(series). (Pacific Northwest Forest and Range Experiment Station, Portland, Oreg.)

- 17704 PNW-32. Method of forecasting returns from ponderosa pine dwarfmistletoe control [with list of literature cited]; by Donald F. Flora. 1966. cover title, [1]+17+[1] p. 4° † A 13.78: PNW-32

GENERAL ACCOUNTING OFFICE  
Washington, D.C. 20548

GAO review. [Quarterly.] ‡ ● Item 544-A (Rev.) GA 1.15: (date)

17705 Fall 1966—

- 17706 Report to Congress of United States: Examination of financial statements, fiscal year 1964 and 1965, Office of Treasurer of United States, Treasury Department; by Comptroller General of United States. Oct. 1966. cover title, [6] leaves+6 p. 4° † Paper, \$1.00.  
L.C. card 66-62930 GA 1.13: T 71/964-65

- 17707 — Management control of Nike-Hercules missile launching and handling rails, Army Missile Command, Department of Army; by Comptroller General of United States. Oct. 1966. cover title, [3]+23 p. 4° † Paper, \$1.00.  
L.C. card 66-62874 GA 1.13: M 69/20

- 17708 — Potential savings through greater use of available Government gasoline outlets, General Services Administration; by Comptroller General of United States. Oct. 1966. cover title, [3] leaves+22 p. 4° † Paper, \$1.00.  
L.C. card 66-62931 GA 1.13: G 21/3/966

- 17709 — Procurement of thrust vector control nozzles for Minuteman missile program, Department of Air Force; by Comptroller General of United States. Sept. 1966. cover title, [4] leaves+72 p. 4° † Paper, \$1.00.  
L.C. card 66-62838 GA 1.13: M 69/19

- 17710 — Review of certain policies and practices in approving claims for non-cash grant-in-aid credits, Renewal Projects Administration, Department of Housing and Urban Development; by Comptroller General of United States. Oct. 1966. cover title, [3] leaves+42 p. il. 4° † Paper, \$1.00.  
L.C. card 66-62932 GA 1.13: G 76/3

- 17711 — Review of Federal grants for airport improvements at adjacent communities of Kenai and Soldotna, Alaska, Federal Aviation Agency; by Comptroller General of United States. Oct. 1966. cover title, [3]+16 p. 4° † Paper, \$1.00.  
L.C. card 66-62873 GA 1.13: Ai 7/79

- 17712 — Review of policies and procedures followed in determining size of new second lock at Sault Ste. Marie, Mich., Corps of Engineers (civil functions), Department of Army; by Comptroller General of United States. Oct. 1966. cover title, [4] leaves+36 p. 4° † Paper, \$1.00.  
L.C. card 66-62839 GA 1.13: L 78/8

- 17713 — Review of procurement of detachable helicopter ground handling wheel assemblies, Department of Army; by Comptroller General of United States. Oct. 1966. cover title, [4] leaves+37 p. il. 4° † Paper, \$1.00.  
L.C. card 66-62876 GA 1.13: H 36/4

- 17714 — Review of selected aspects of scheduling for design, integration, and test of Nimbus spacecraft, National Aeronautics and Space Administration; by Comptroller General of United States. Oct. 1966. cover title, [5] leaves+40 p. il. 4° † Paper, \$1.00.  
L.C. card 66-62875 GA 1.13: Sp 1

- 17715 Your professional development. [1966.] 32 p. il. oblong 12° [Text on p. 2 of cover.] † ● Item 545 GA 1.2: P 94

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# GOVERNMENT PUBLICATIONS

## GEOLOGICAL SURVEY, Interior Dept. Washington, D.C. 20405

### Bulletin. ● Item 620

- 17716 1244-A. Changes in stratigraphic nomenclature by Geological Survey, 1965 [with list of references]; by George V. Cohee and Walter S. West. 1966. iv+60 p. il. [Contributions to stratigraphy.] \* Paper, 25c.  
I 19.3:1244-A

### Professional papers. ● Item 624

I 19.16:(nos.)

- 17717 352-H. Erosion and deposition in loess-mantled Great Plains, Medicine Creek drainage basin, Nebr. [with list of references]; by James C. Brice. 1966. v+255-339 p. il. 4° [Prepared as part of program of Department of Interior for development of Missouri River basin and part of soil and moisture program. Erosion and sedimentation in semiarid environment.] \* Paper, 55c.
- 17718 422-J. Resistance to flow in alluvial channels [with list of literature cited]; by D. B. Simons and E. V. Richardson. 1966. viii+61 p. il. 4° [Physiographic and hydraulic studies of rivers.] \* Paper, 50c.
- 17719 476-B. Origin of elements associated with uranium in Cave Hills area, Harding County, S. Dak. [with list of references cited]; by George N. Pipiringos. 1966. iv+75+[3] p. il. 4° [Investigation of geological and geochemical history of elements associated with uranium in coal, carbonaceous siltstone, and phosphatic claystone in Fort Union Formation of northwest South Dakota. Uranium investigations in Cave Hills area, Harding County, S. Dak.] \* Paper, 55c.
- 17720 495-B. Paleozoic formations in Wind River basin, Wyo. [with list of references cited]; W. R. Keefer and J. A. Van Lieu. 1966. iv+60 p. il. 6 pl. in pocket, 4° [Prepared in cooperation with Geological Survey of Wyoming and Department of Geology of University of Wyoming as part of program of Department of Interior for development of Missouri River basin. Geology of Wind River basin, central Wyoming.] \* Paper, \$2.00.
- 17721 503-A. Paleozoic gastropoda from Moose River synclinorium, northern Maine [with list of references cited]; by Arthur J. Boucot and Ellis L. Yochelson. 1966. iii+20+[2] p. il. 3 pl. 4° [Investigation of fossils primarily of Devonian age. Contributions to paleontology.] \* Paper, 30c.
- 17722 560-B. Geology of Arabian peninsula: Yemen [with selected bibliography]; by F. Geukens, translated from French by S. D. Bowers. 1966. v+23 p. il. 4° [Review of geology of Yemen as shown on USGS miscellaneous geologic investigations map I-270-A, Geologic map of Arabian Peninsula, 1963.] \* Paper, 30c.
- 17723 560-H. Geology of Arabian Peninsula, Eastern Aden Protectorate and part of Dhufar [with bibliography]; by Z. R. Beydoun. 1966. v+49 p. il. 6 pl. in pocket, 4° [Review of geology of Eastern Aden Protectorate and part of Dhufar as shown on USGS miscellaneous geologic investigations map I-270-A, Geologic map of Arabian peninsula, 1963.] \* Paper, \$1.00.

- 17724 Publications of Geological Survey, 1965. 1966. vi+57 p. † ● Item 623  
L.C. card GS 11-221 I 19.14: 965

### Water-supply papers. ● Item 625

I 19.13:(nos.)

- 17725 1532-C. Effects of agricultural conservation practices on hydrology of Corey Creek basin, Pa., 1954-60 [with list of selected references]; by Benjamin L. Jones. 1966. v+55 p. il. [Prepared in cooperation with Pennsylvania Department of Agriculture, State Soil and Water Conservation Commission. Hydrologic effects of land use.] \* Paper, 25c.
- 17726 1540-C. Methods for analysis of selected metals in water by atomic absorption [with list of references]; by Marvin J. Fishman and Sanford C. Downs. 1966. iii+23-45 p. il. [Manual of procedures for determining calcium, copper, lithium, magnesium, manganese, potassium, sodium, strontium, and zinc in atmospheric precipitation, fresh waters, and brines by atomic absorption spectroscopy. Spectrographic analysis of natural water.] \* Paper, 15c.
- 17727 1610-D. Waterpower resources and reconnaissance geology of sites in Alsea River basin, Oreg. [with list of references]; by L. L. Young, D. W. Neal, and D. L. Gaskill. 1966. iv+45+[3] p. il. 2 pl. in pocket. [Estimate of potential power of river and discussion of possibilities for developing it. Waterpower resources of United States. Includes title page and contents to Water-supply paper 1610.] \* Paper, 70c.  
L.C. card GS 66-325
- 17728 1819-H. Fluvial sediment and chemical quality of water in Little Blue River basin, Nebr. and Kans. [with list of references cited]; by James C. Mundorff and Kidd M. Waddell. 1966. v+45 p. il. [Prepared as part of program of Department of Interior for development of Missouri River basin. Contributions to hydrology of United States.] \* Paper, 25c.

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- 17729 1819-J. Special sediment investigations, Mississippi River at St. Louis, Mo. [with list of literature cited]; by Cloyd H. Scott and Howard D. Stephens. 1966. iii+35 p. il. 3 pl. in pocket. [Prepared in cooperation with U.S. Army Corps of Engineers, St. Louis district. 4 sets of comprehensive hydraulic and sediment data are presented and briefly analyzed. Contribution to hydrology of United States.] \* Paper, 60c.
- 17730 1821. Availability of ground water, upper Pawcatuck River basin, R.I. [with list of selected references]; by William B. Allen, Glenn W. Hahn, and Richard A. Brackley. 1966. v+66 p. il. 3 pl. in pocket. [Prepared in cooperation with Rhode Island Development Council and Rhode Island Water Resources Coordinating Board.] \* Paper, \$1.25. L.C. card GS 66-244
- 17731 1869-B. Effect of vertical motion on current meters [with list of literature cited]; by N. A. Kallio. 1966. iv+20 p. il. [Study of effect of vertical movement on registration of 3 types of current meters. River hydraulics.] \* Paper, 15c.

# HEALTH, EDUCATION, AND WELFARE DEPARTMENT Washington, D.C. 20201

- 17732 Mental retardation grants, fiscal year 1966. Sept. 1966. vi+139 p. 4° (Secretary's Committee on Mental Retardation.) † ● Item 445-G  
L.C. card 65-61306 FS 1.23/3: 966

# HOUSING AND URBAN DEVELOPMENT DEPARTMENT Washington, D.C. 20410

- 17733 Better cities for tomorrow, [by] Hubert H. Humphrey, Vice President of United States. [1966.] cover title, 7 p. il. [Excerpts from remarks before U.S. Conference of Mayors, Dallas, Tex., June 13, 1966.] †  
● Item 581-C HH 1.7: H 88

# INDIAN AFFAIRS BUREAU, Interior Dept. Washington, D.C. 20240

- 17734 Famous Indians, collection of short biographies [with list of books for further reading]. [1966.] cover title, [2]+47 p. il. 4° [Text on p. 2 of cover.] \* Paper, 35c. ● Item 627  
L.C. card 66-62795 I 20.2: In 2/26

# INFORMATION OFFICE, Agriculture Dept. Washington, D.C. 20250

- 17735 Facts about pest control: War that never ends. [Revised] Sept. 1966. [1966.] 11 p. 4° † ● Item 90 A 21.2: P 43/966

# INTERAGENCY COMMITTEE ON WATER RESOURCES

Notes on hydrologic activities, bulletin.

- 17736 13. Methods of flow frequency analysis [with bibliography: prepared under auspices of Subcommittee on Hydrology]. Apr. 1966. cover title, [61]+42 p. il. [Published through arrangements made by Soil Conservation Service, Department of Agriculture. Price statement appears on 1st page in error.] † ● Item 607-A  
L.C. card 66-65730 Y 3.In 8/8: 7/13

# INTERIOR DEPARTMENT Washington, D.C. 20240

NOTE.—Requests to the Interior Department for publications should give the full title and the date of the publication. Do not include Monthly Catalog entry numbers or Superintendent of Documents classification numbers, which should be used only when ordering from the Superintendent of Documents.

[Saline water] research and development progress reports. (Office of Saline Water.) ● Item 604-A-1 I 1.88:(nos.)

- 17737 197. Research on mineral by-products from saline waters [with bibliography]; by Murrell L. Salutsky [and others], W. R. Grace and Co., Clarksville, Md. Sept. 1966. [2]+xii+103 p. il. 4° ([Contract 14-01-0001-642.])  
\* Paper, 60c.  
L.C. card 66-65737

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# GOVERNMENT PUBLICATIONS

## [Saline water] research and development progress reports—Continued

- 17738 203. Investigation of transport properties of ion exchange membranes [with list of references]; by J. H. B. George and C. R. Schlaikjer, Arthur D. Little, Inc., Cambridge, Mass. Sept. 1966. [2]+40+[1] p. il. 4° ([Contract 14-01-0001-372.]) \* Paper, 30c.  
L.C. card 66-65745
- 17739 208. Reverse osmosis for water desalination [with list of references]; by U. Merten [and others], General Dynamics Corporation, General Atomic Division, San Diego, Calif. Sept. 1966. [2]+217 p. il. 4° \* Paper, \$1.00  
L.C. card 66-65740
- 17740 210. Theory of liquids [with bibliography]; by Douglas Henderson [and others], University of Waterloo, Waterloo, Ontario, Canada. Sept. 1966. [7]+18 p. il. 4° ([Contract 14-01-0001-406.]) \* Paper, 25c.  
L.C. card 66-65740

## INTERNAL REVENUE SERVICE, Treasury Dept. Washington, D.C. 20224

- 17741 Legal careers in Federal taxation. [Revised Oct. 1966.] [1966.] cover title, [8] p. narrow f° ([Document 5619]; Office of Chief Counsel.) [Text on p. 3-4 of cover.] † ● Item 956 T 22.2: C 18/3/966
- 17742 Looseleaf regulations system: Service 1, Income tax, transmittal 86. Aug. 12, 1966. [6] p. 4° ● Item 961 T 22.19/3: 1/trans. 86
- 17743 — Service 1, Income tax, transmittal 87. Sept. 9, 1966. [16] p. 4° ● Item 961 T 22.19/3: 1/trans. 87
- NOTE.—Service 1 consists of pts. 1, 2, 19, and 152 of title 26 of Code of Federal regulations. It is sold on a subscription basis by the Superintendent of Documents, \$16.00 (including basic material and supplements issued irregularly for approximately 3 years); \$4.00 additional for foreign mailing.
- 17744 Tobacco tax guide, transmittal 15; Sept. 2, 1966. [1966.] [114] p. 4° (Publication 464.) [Issued in looseleaf form.] \* Paper, \$3.50 (including basic guide and supplementary material for an indefinite period); \$1.00 additional for foreign mailing. ● Item 956-A T 22.19/5: 964/trans. 15

## INTERNATIONAL DEVELOPMENT AGENCY, State Dept. Washington, D.C. 20523

- 17745 American civilians who are fighting shirtsleeves war in Vietnam; by Herbert H. Humphrey. [1966.] 7 p. il. 4° [Reprinted from Civil service journal, Apr.-June 1966.] † CS 1.66/a: V 678

## INTERSTATE COMMERCE COMMISSION Washington, D.C. 20423

- 17746 Cost of transporting freight by class 1 and class 2 motor common carriers of general commodities by regions or territories, 1965. Sept. 1966. cover title, [1]+vi+195 p. 4° (Statement 7-66; Bureau of Accounts.) [This study, issued as information, has not been adopted by Interstate Commerce Commission.] \* Paper, \$1.00. ● Item 682-A L.C. card A 64-7663 IC 1 acco. 2: F 88/16/965
- 17747 Freight commodity statistics, class 1 railroads in United States for year ended Dec. 31, 1964. [1966.] cover title, [2]+20+[2] p. oblong large 8° (Statement 66100; Bureau of Accounts.) \* Paper, 75c. ● Item 704 L.C. card 41-41827 IC 1 ste. 29: 964
- 17748 Schedule of annual indices for carriers by railroad, 1914-64 [revised pages for year 1965]. [41] p. il. 4° (Bureau of Accounts.) [This publication has not been adopted by Interstate Commerce Commission.] † L.C. card A 46-3919 IC 1 acco. 2: R 13/6/914-64/rev. pages

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NOTE.—Titles of JPRS serial reports listed below were issued during the month, but were not cataloged separately.

- 17749-1 Communist China digest, nos. 174-175; JPRS 38314, 38335.
- 17749-2 Communist Chinese scientific abstracts: Agricultural science and technology, no. 36; JPRS 38261.
- 17749-3 Communist Chinese scientific abstracts: Bio-medical sciences, nos. 159-162; JPRS 38117, 38128, 38204, 38279.
- 17749-4 Communist Chinese scientific abstracts: Chemistry, nos. 44-47; JPRS 38107, 38129, 38210, 38308.
- 17749-5 Communist Chinese scientific abstracts: Earth sciences, no. 70; JPRS 38118.
- 17749-6 Communist Chinese scientific abstracts: Electronics and electrical engineering, nos. 39-40; JPRS 38156, 38205.
- 17749-7 Communist Chinese scientific abstracts: Engineering and equipment, nos. 53-54, JPRS 38189, 38206.
- 17749-8 Communist Chinese scientific abstracts: Physics and mathematics, nos. 57-60; JPRS 38108, 38119, 38211, 38280.
- 17749-9 East European scientific abstracts: Bio-medical science, nos. 52-53; JPRS 38121, 38313.
- 17749-10 Economic and geographic translations on Latin America, nos. 54-57; JPRS 38110, 38122, 38167, 38236.
- 17749-11 Index of La Stampa and La Stampa sera, nos. 335-336; JPRS 38147, 38331.
- 17749-12 Izvestiya VUZov: Instrument building, no. 3, 1966; JPRS 38133.
- 17749-13 Pharmaceuticals, USSR, no. 4; JPRS 38160.
- 17749-14 Political translations on Eastern Europe, nos. 235-236; JPRS 38102, 38247.
- 17749-15 Press information report on Albania, nos. 192-195; JPRS 38163, 38222, 38238, 38294.
- 17749-16 Press information report on Iran, nos. 9-10; JPRS 38104, 38262.
- 17749-17 Scientific and technical information, no. 4, 1966; JPRS 38120.
- 17749-18 Sociological translations on Eastern Europe, nos. 379-383; JPRS 38103, 38149, 38191, 38239, 38281.
- 17749-19 Soviet military translations, nos. 332-345; JPRS 38143, 38144, 38151, 38152, 38171, 38184, 38199, 38232, 38286, 38291, 38303, 38324, 38329, 38333.
- 17749-20 Soviet public health, USSR, no. 6, 1966; JPRS 38116.
- 17749-21 Translations from Hoc tap (Studies), North Vietnam, nos. 7-8, 1966; JPRS 38165, 38214.
- 17749-22 Translations from Hung-ch'i (Red flag), nos. 36-37; JPRS 38213, 38336.
- 17749-23 Translations of Pravda editorials, USSR, nos. 699-709; JPRS 38105, 38135, 38157, 38169, 38198, 38231, 38246, 38266, 38301, 38318, 38338.
- 17749-24 Translations on Africa, nos. 444-449; JPRS 38208, 38209, 38216, 38229, 38289, 38315.
- 17749-25 Translations on Communist China: Economic, no. 15; JPRS 38234.
- 17749-26 Translations on Communist China: Political and sociological, no. 374; JPRS 38240.
- 17749-27 Translations on Communist China: Science and technology, no. 346; JPRS 38328.
- 17749-28 Translations on Cuba, nos. 499-504; JPRS 38109, 38148, 38186, 38193, 38295, 38332.
- 17749-29 Translations on East European agriculture, forestry, and food industries, nos. 482-485; JPRS 38136, 38150, 38200, 38282.
- 17749-30 Translations on East European foreign trade, nos. 303-305; JPRS 38180, 38283, 38307.
- 17749-31 Translations on East European heavy industry, no. 294; JPRS 38225.
- 17749-32 Translations on East European materials industries, nos. 316-317; JPRS 38226, 38334.
- 17749-33 Translations on East European service industries, nos. 476-479; JPRS 38137, 38164, 38201, 38248.
- 17749-34 Translations on economic organization and management in Eastern Europe, nos. 611-614; JPRS 38170, 38233, 38241, 38284.
- 17749-35 Translations on international Communist developments, nos. 890-898; JPRS 38130, 38162, 38166, 38192, 38249, 38275, 38290, 38316, 38337.
- 17749-36 Translations on Mongolia, no. 120; JPRS 38309.
- 17749-37 Translations on Near East, nos. 37-39; JPRS 38134, 38187, 38317.
- 17749-38 Translations on North Korea, nos. 15-16; JPRS 38235, 38257.
- 17749-39 Translations on North Vietnam, nos. 46-53; JPRS 38161, 38185, 38207, 38215, 38242, 38285, 38306, 38323.
- 17749-40 Translations on south and east Asia, no. 134; JPRS 38212.
- 17749-41 Translations on Soviet education, nos. 54-56; JPRS 38127, 38260, 38322.
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- 17749-44 Translations on USSR consumer goods and domestic trade, nos. 146-148; JPRS 38173, 38220, 38293.
- 17749-45 Translations on USSR labor, nos. 135-140; JPRS 38145, 38217, 38219, 38250, 38277, 38320.
- 17749-46 Translations on USSR transportation, nos. 146-149; JPRS 38172, 38227, 38252, 38321.
- 17749-47 USSR economy and industry: Current developments, nos. 16-17; JPRS 38178, 38319.
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- 17749-49 USSR industrial development: Automotive and tractor industry, nos. 21-24; JPRS 38100, 38179, 38221, 38325.  
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 17749-60 USSR scientific abstracts: Physics and mathematics, no. 78; JPRS 38168.  
 17749-61 Vestnik of the USSR Academy of Medical Sciences, v. 21, no. 7; JPRS 38258.  
 17749-62 Vestnik of USSR Academy of Sciences, v. 36, no. 7; JPRS 38265.

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Y 3.J66: 13/(nos.)

- 17750 37165. Errata, official Soviet regulations governing official and private travel of foreign nationals in USSR. Aug. 22, 1966. [2] p. 4° Φ  
 17751 38111. Acidophilous milk used in treatment of dysentery, USSR; by A. Aleksandryan. Oct. 12, 1966. [2] p.+3 leaves, 4° [From Kommunist, Aug. 3, 1966.] Φ Paper, \$1.00 (TT: 66-34538).  
 17752 38112. Treatment and handling of certain infectious diseases in USSR; by G. P. Rudnev. Oct. 12, 1966. [2]+a+26 p. 4° [From Klinika osobno opasnykh infektsiy, 1966.] Φ Paper, \$2.00 (TT: 66-34539).  
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 17768 38181. Effects of Christian and Moslem religions on people, USSR [articles]. Oct. 17, 1966. [2]+a+31 p. 4° [From Nauka i religiya, no. 7, July 1966.] Φ Paper, \$2.00 (TT: 66-34608).

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- 17788 38272. Problems in aerospace medicine [articles; edited] by V. V. Parin. Oct. 21, 1966. [2]+a-s+518 p. 4°  $\Phi$  Paper, \$8.40 (TT: 66-34698).
- 17789 38296. Food toxicoes and toxic infections, USSR; by F. Budagyan. Oct. 24, 1966. [2] p.+4 leaves, 4° [From Meditsinskaya gazeta, Sept. 9, 1966.]  $\Phi$  Paper, \$1.00 (TT: 66-34722).
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- 17792 38299. Soviet conferences on welding [articles]. Oct. 24, 1966. [2]+a+21 p. 4°  $\Phi$  Paper, \$1.00 (TT: 66-34725).
- 17793 38300. Soviet report on Palestine problem; by I. A. Genin. Oct. 24, 1966. [2]+23 p. 4° [From Pravda, 1948.]  $\Phi$  Paper, \$1.00 (TT: 66-34726).
- 17794 38310. Results of competition in diffusion welding, USSR. Oct. 25, 1966. [2] p.+4 leaves, 4° [From Svarochnoye proizvodstvo, no. 7, July 1966.]  $\Phi$  Paper, \$1.00 (TT: 66-34736).
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## LABOR DEPARTMENT

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- 17798 Agreement between U.S. Department of Labor and National Council of Field Labor Lodges, American Federation of Government Employees, AFL-CIO. [1966.] cover title, ii leaves+25 p. † ● Item 745  
 L 1.2: N 21c
- 17799 Excerpts from remarks by Assistant Secretary of Labor Mrs. Esther Peterson before 9th annual convention of Illinois State Federation of Labor and Congress of Industrial Organizations, Chicago, Ill., Sept. 27, 1966. [1966.] 12 leaves, 4° †  
 L 1.13: P 44/7
- Manpower research bulletin. ● Item 746-D
- 17800 12. Technology and manpower in design and drafting 1965-75; [prepared by Ann Marie Lamb]. Oct. 1966. cover title, vi+39 p. il. 4° (Manpower Administration.) †  
 L.C. card 66-62959  
 L 1.3/4: 12
- 17801 Seminar on manpower policy and program: Church and antipoverty program; by Benjamin Louis Masse. Feb. 1966. [1]+21 p. ([Manpower Administration, Office of Manpower Policy, Evaluation, and Research.]) [Illustration and text on p. 1 and 2 of cover.] † ● Item 745  
 L.C. card 66-62622  
 L 1.2: M 31/24
- 17802 — [Washington, D.C., Apr. 15, 1965]; Automation, skill, and manpower predictions; by E. R. F. W. Crossman. Sept. 1966. [1]+39+[13] p. ([Manpower Administration.]) [Text on p. 2 of cover. Contains copy-right material.] † ● Item 745  
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 L 1.2: M 31/23
- 17803 — [Washington, D.C., Oct. 7, 1965]; Expanding employment in pluralistic economy; by Eli Ginzberg. [1966.] cover title, [1]+36 p. ([Manpower Administration.]) [Text on p. 2 of cover.] † ● Item 745  
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### Fact sheet (series).

- 17804 10. Brief summary of State workmen's compensation laws. June 1966. cover title, 35 p. 4° †  
 L 16.50: 10/2
- 17805 Guide to national parks and monuments for handicapped tourists. [1966.] x+[1]+81 p. il. 1 pl. (President's Committee on Employment of the Handicapped.) [Published in cooperation with Veterans Employment Service, Department of Labor, Manpower Administration.] † ● Item 766-C  
 L.C. card 66-62676  
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- 17806 Maritime safety data, longshoring: Longshoring accidents, analysis of injuries, 1964-65. [1966.] [1]+10 p. 4° (MSD LS-403; OOS 8.66.) †  
 L 16.47/5: Ac 2/964-65
- 17807 Minutes, annual meeting, President's Committee on Employment of the Handicapped, Washington, D.C., Apr. 28 and 29, 1966. [1966.] cover title, xii+54 p. il. 4° † ● Item 766-C  
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L.C. card L 66-32
- 17816 Employee earnings and hours in nonmetropolitan areas for South and North Central regions, June 1965, summary release. July 1966. 16 p. 4°  
† ● Item 769 L 2.2: Ea 7/8/965
- 17817 Indexes of output per man-hour for private economy, 1947-65. Oct. 1966. [5] leaves, 4° † L 2.89/2: 947-65
- 17818 Proceedings of 23d Interstate Conference on Labor Statistics [Storrs, Conn.] June 15-18, 1965. [1966.] cover title, iii+262 p. 4° [Connecticut Labor Department and University of Connecticut served as co-sponsors with Bureau of Labor Statistics.] † ● Item 769-C L 2.80: 965  
L.C. card 56-63356

LAND MANAGEMENT BUREAU, Interior Dept.  
Washington, D.C. 20240

- 17819 Ephemeris of sun, Polaris, and other selected stars with companion data and tables for [calendar] year 1967; prepared by Nautical Almanac Office, United States Naval Observatory. 58th edition. 1966. ii+30 p. 1 pl. [Supplement to Manual of instructions for survey of public lands of United States.] \* Paper, 25c. ● Item 630 I 53.8: 967  
L.C. card 10-35913

LIBRARY OF CONGRESS  
Washington, D.C. 20540

- 17820 Annual list of serials, 1966, arranged by author, title and PL 480 code, American Libraries Book Procurement Centers, Karachi-Dacca, [Pakistan]. 1966. [7]+145 p. 4° (Public law 480 project.) † (Libraries only). LC 1.30/2-2: 966  
L.C. card SA 66-6576
- 17821 Chaos and control in poetry, lecture delivered at Library of Congress, Oct. 11, 1965, by Stephen Spender, consultant in poetry in English at Library of Congress, 1965-66. 1966. [2]+14 p. (Reference Department.) \* Paper, 15c. ● Item 818-B-2 LC 29.9: Sp 3/2  
L.C. card 66-60054
- 17822 Facsimilies of rare historical maps, list of reproductions for sale by various publishers and distributors; compiled by Walter W. Ristow. Revised [edition]. 1966. (Geography and Map Division.) [2]+i+12 p. li. 4° † LC 5.2: H62/3  
L.C. card 66-62298

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# GOVERNMENT PUBLICATIONS

- 17823 Library and reference facilities in area of District of Columbia. 7th edition. 1966. [214] p. 4° (Loan Division, Reference Department.) \* Paper, \$1.00. ● Item 818-B  
L.C. card 44-41159 rev. LC 29.2: L 61/966
- 17824 Nigeria, guide to official publications; compiled by Sharon Burdge Lockwood. 1966. xii+166 p. 4° (General Reference and Bibliography Division, Reference Department.) \* Paper, \$1.00. ● Item 806-B  
L.C. card 66-61703 LC 2.8: N 56
- 17825 Subject headings used in dictionary catalogs of Library of Congress; edited by Marguerite V. Quattlebaum. 7th edition. 1966. viii+1432 p. 4° (Subject Cataloging Division, Processing Department.) † Cloth, \$15.00 Card Division, Library of Congress, Building 159, Navy Yard Annex, Washington, D.C. 20541  
L.C. card 65-60043 LC 26.7: 7

## MARINE CORPS (Navy), Defense Dept. Washington, D.C. 20350

- Fleet Marine Force manual FMFM (series). ● Item 384
- 17826 6-5. Marine rifle squad. [Apr. 6, 1966.] cover title, 4+xiv+562 p. il. 16° [Supersedes FMFM 6-5, Sept. 1963.] \* Paper, \$2.50. D 214.9/4: 6-5/2
- 17827 Marine Corps retirement guide. [May 20, 1966.] cover title, [1]+1+iv+101 p. 4° (MCO P1760.5A.) [Issued with perforations. Cancellation of MCO P1760.5.] † ● Item 384 D 214.9/2: R 31/966

## MARITIME ADMINISTRATION, Commerce Dept. Washington, D.C. 20548

- 17828 Gateway to your future, Maritime Administration. [1966.] [15] p. il. 4° † ● Item 235 C 39.202: G 22/966

## MARITIME ADVISORY COMMITTEE 441 G Street, N.W., Washington, D.C. 20548

NOTE.—The Maritime Advisory Committee was established by Executive Order 11156 of June 17, 1964, to consider matters of Federal maritime policy, including those policies and practices which may be followed by labor, management, or the Government for strengthening the trade, national defense, manpower, and labor relations of the maritime industry.

- 17829 Maritime policy and program of United States, report and recommendations of public members of Maritime Advisory Committee, submitted to full committee for its consideration, Nov. 22, 1965, as revised Nov. 27, 1965. [1966.] [161] p. 4° †  
L.C. card 66-65717 Y 3.M 33: 2 P 75

## MEDICINE AND SURGERY BUREAU (Navy), Defense Dept. Washington, D.C. 20350

- 17830 Manual of naval preventive medicine. Aug. 1966. iii+17 p. 4° (NAVMED P-5010.) [Includes Contents and chap. 11, Safe and proper handling of pesticides, NAVMED P-5010-11. Issued in looseleaf form.] † ● Item 385-B  
L.C. card 56-61480 D 206.6/3: M 46/chap. 11

## MILITARY ACADEMY, West Point (Army), Defense Dept. West Point, N.Y. 10996

- 17831 United States Military Academy, [West Point, N.Y.], catalogue 1966-67, 165th year. [1966.] [5]+227 p. il. † ● Item 353  
L.C. card 46-27855 D 109.8: 966-67

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MINES BUREAU, Interior Dept.  
Washington, D.C. 20240

- 17832 Aluminum; by John W. Stamper. [1966.] [2]+25 p. [Preprint from Minerals yearbook, 1965.] \* Paper, 15c. I 28.37/a: A1 82/965
- 17833 Asbestos; by Timothy C. May. [1966.] [2]+11 p. [Preprint from Minerals yearbook, 1965.] \* Paper, 10c. I 28.37/a: As 15/965
- 17834 Bauxite; by Lloyd R. Williams. [1966.] [2]+15 p. [Preprint from Minerals yearbook, 1965.] \* Paper, 10c. I 28.37/a: B 329/965
- 17835 Copper; by F. L. Wideman. [1966.] [2]+36 p. [Preprint from Minerals yearbook, 1965.] \* Paper, 15c. I 28.37/a: C 793/965
- 17836 Fluorspar and cryolite; by Ronald C. Briggs. [1966.] [2]+14 p. [Preprint from Minerals yearbook, 1965.] \* Paper, 10c. I 28.37/a: F 673/965
- Information circular. • Item 637-A
- 17837 8306. Research and technologic work at Health and Safety Research and Testing Center, fiscal years 1960-65; by Staff. [1966.] [2]+ii+31 p. il. 4¢  
† Mines Bureau, Pittsburgh, Pa. 15213 I 28.27: 8306
- 17838 Manganese; by Gilbert L. DeHuff. [1966.] [2]+15 p. [Preprint from Minerals yearbook, 1965.] \* Paper, 10c. I 28.37/a: M 313/965
- 17839 Mica; by Benjamin Petkof. [1966.] [2]+12 p. [Preprint from Minerals yearbook, 1965.] \* Paper, 10c. I 28.37/a: M 581/965
- 17840 Mineral industry of Connecticut; by Joseph Krickich. [1966.] [2]+7 p. [Preprint from Minerals yearbook, 1965.] \* Paper, 10c. I 28.37/a2: C 76/965
- 17841 Mineral industry of Delaware; by Samuel A. Gustavson. [1966.] [2]+3 p. [Preprint from Minerals yearbook, 1965.] \* Paper, 5c. I 28.37/a2: D 37/965
- 17842 Mineral industry of Finland; by F. L. Klinger. [1966.] [2]+11 p. [Preprint from Minerals yearbook, 1965.] \* Paper, 10c. I 28.37/a2: F 496/965
- 17843 Mineral industry of Maine; by John W. Hartwell. [1966.] [2]+7 p. il. [Preprint from Minerals yearbook, 1965.] \* Paper, 10c. I 28.37/a2: M 28/965
- 17844 Mineral industry of Massachusetts; by Melvin E. Hinkle. [1966.] [2]+8 p. il. [Preprint from Minerals yearbook, 1965.] \* Paper, 10c. I 28.37/a2: M 38/965
- 17845 Mineral industry of Puerto Rico, Panama Canal Zone, Virgin Islands, Pacific Island possessions, and Trust Territory of Pacific Islands; by Harry F. Robertson, José F. Cadilla, and Roy Y. Ashizawa. [1966.] [2]+6 p. [Preprint from Minerals yearbook, 1965.] \* Paper, 5c. I 28.37/a2: P 96r/965
- 17846 Mineral industry of Qatar, Trucial States, Muscat and Oman, Federation of South Arabia, and Yemen; by James A. West. [1966.] [2]+7 p. [Preprint from Minerals yearbook, 1965.] \* Paper, 10c. I 28.37/a2: Q 12/2/965
- 17847 Mineral industry of Saudi Arabia; by James A. West. [1966.] [2]+4 p. [Preprint from Minerals yearbook, 1965.] \* Paper, 5c. I 28.37/a2: Sa 85/965
- 17848 Mineral industry of Syrian Arab Republic; by E. Shekarchi. [1966.] [2]+4 p. [Preprint from Minerals yearbook, 1965.] \* Paper, 5c. I 28.37/a2: Sy 83/965
- 17849 Mineral industry of United Arab Republic (Egypt); by Henry E. Stipp. [1966.] [2]+8 p. [Preprint from Minerals yearbook, 1965.] \* Paper, 10c. I 28.37/a2: Un 34ar/965
- 17850 Phosphate rock; by Richard W. Lewis. [1966.] [2]+21 p. il. [Preprint from Minerals yearbook, 1965.] \* Paper, 15c. I 28.37/a: P 566/965

from Minerals yearbook, 1965.] \* Paper, 15c. I 28.37/a: P 566/965  
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- 17851 Platinum-group metals [with list of references]; by Glen C. Ware. [1966.] [2]+12 p. [Preprint from Minerals yearbook, 1965.] \* Paper, 10c.  
I 28.37/a: P 696/965

## Report of investigations. ● Item 637-A

I 28.23:(nos.)

- 17852 6819. Analyses of crude oils from 546 important oilfields in United States [with list of references]; by C. M. McKinney, E. P. Ferrero, and W. J. Wenger. [1966.] [3]+345 p. 4° \* Paper, \$1.75.
- 17853 6844. Chemical processing of Florida phosphate rock slime; by M. H. Stanczyk and I. L. Feld. [1966.] [3]+11 p. 4° [Based on work done in cooperation with University of Alabama.] † Mines Bureau, Pittsburgh, Pa. 15213
- 17854 6845. Tungsten recovery from low-grade concentrates of amine solvent extraction [with list of references]; by P. E. Churchward and D. W. Bridges. [1966.] [3]+17 p. il. 4° † Mines Bureau, Pittsburgh, Pa. 15213
- 17855 6846. Crude oil characterizations based on Bureau of Mines routine analyses [with list of references]; by H. M. Smith and J. H. Hale. [1966.] [1]+11+28 p. il. 4° † Mines Bureau, Pittsburgh, Pa. 15213
- 17856 6847. Laboratory comparison of adsorptivity of 8 commercially available charcoals [with list of references]; by C. L. Klingman, A. A. Sonneck, and J. D. Marshall. [1966.] [3]+17 p. il. 4° † Mines Bureau, Pittsburgh, Pa. 15213
- 17857 6848. Nitrogen gas in 5 oilfields on Nesson anticline in North Dakota [with list of references]; by L. C. Marchant. [1966.] [3]+24 p. il. 4° [Based on work done in cooperation with University of Wyoming.] † Mines Bureau, Pittsburgh, Pa. 15213
- 17858 6849. Knudsen effusion apparatus for vapor pressure measurements [with list of references]; by Stephen D. Hill, Arnold Adams, and F. E. Block. [1966.] [3]+18 p. il. 4° † Mines Bureau, Pittsburgh, Pa. 15213
- 17859 6850. Preparation of high-purity molybdenum by molten salt electrorefining [with list of references]; by R. E. Cumings, F. R. Cattoir, and T. A. Sullivan. [1966.] [3]+24 p. il. 4° † Mines Bureau, Pittsburgh, Pa. 15213
- 17860 6851. Thermoelectric properties of yttrium selenides and tellurides [with list of references]; by Lindsay D. Norman, jr. [1966.] [3]+19 p. il. 4° † Mines Bureau, Pittsburgh, Pa. 15213
- 17861 6852. Determination of copper with disodium ethylenedinitrilo tetraacetate (EDTA) [with list of references]; by R. E. Stiles and D. L. Munneke. [1966.] [3]+12 p. 4° † Mines Bureau, Pittsburgh, Pa. 15213
- 17862 6853. Vapor deposition of molybdenum-tungsten alloys [with list of references]; by J. G. Donaldson and H. Kenworthy. [1966.] [3]+12 p. il. 4° † Mines Bureau, Pittsburgh, Pa. 15213
- 17863 6854. Mass and infrared spectra of selected unsaturated hydrocarbons and oxygenates [with list of references]; by R. F. Kendall and B. H. Eccleston. [1966.] [3]+107 p. il. 4° † Mines Bureau, Pittsburgh, Pa. 15213
- 17864 6855. Radioactive techniques for continuously measuring flotation froth density and pulp flow rates [with list of references]; by J. V. Batty, H. L. Gibbs, and A. M. Poston, jr. [1966.] [3]+18 p. il. 4° † Mines Bureau, Pittsburgh, Pa. 15213
- 17865 6856. Film coefficients of heat transfer for helium at 2,000° to 2,500° F in turbulent flow [with list of references]; by N. H. Coates and A. F. Galli. [1966.] [3]+22 p. il. 4° [Based on work done in cooperation with Atomic Energy Commission.] † Mines Bureau, Pittsburgh, Pa. 15213
- 17866 6857. Hot gas ignition temperatures of hydrocarbon fuel vapor-air mixtures; by J. M. Kuchta and R. J. Cato. [1966.] [3]+14 p. il. 4° [Based on work done under Air Force Aero Propulsion Laboratory delivery order 33(657)-63-376, task 304801.] † Mines Bureau, Pittsburgh, Pa. 15213
- 17867 6862. High-temperature heat content of lithium columbate [with list of references]; by L. B. Pankratz and E. G. King. [1966.] [3]+9 p. il. 4° † Mines Bureau, Pittsburgh, Pa. 15213
- 17868 Talc, soapstone, and pyrophyllite; by J. Robert Wells. [1966.] [2]+7 p. [Preprint from Minerals yearbook, 1965.] \* Paper, 10c.  
I 28.37/a: T 143/965
- 17869 Vermiculite; by Timothy C. May. [1966.] [2]+4 p. [Preprint from Minerals yearbook, 1965.] \* Paper, 5c.  
I 28.37/a: V 592/965

MINT BUREAU, Treasury Dept.  
Washington, D.C. 20220

- 17870 Domestic and foreign coins, manufactured by mints of United States 1792-1965. [1966.] cover title, ii+119 p. [From annual report of Director of Mint.] \* Paper, 40c.  
L.C. card 36-26170 T 28.1/a: C 666/2/965

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# NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

Washington, D.C. 20546

- 17871 Handbook for contamination control on Apollo Program [with bibliography]. Aug. 1966. cover title, vi+[210] p. il. 4° (NHB 5300.3; Office of Manned Space Flight, Apollo Program.) \* Paper, \$1.50. ● Item 830-F  
L.C. card 66-65719 NAS 1.18: Ap 4/3
- NASA contractor report CR (series). NAS 1.26:(nos.)
- 17872 562. Study of potential roles of supersonic transport crews and some implications for flight deck: v. 2, Feasible automated and manual implementation concepts for SST activities functions [with list of references]; by Harold E. Price, William D. Honsberger, and William J. Ereneta. Oct. 1966. cover title, x+601 p. il. 4° [Prepared under contract NAS 2-2209 by Serendipity Associates, Chatsworth, Calif.] Φ Paper, \$6.00.  
L.C. card 66-62565
- 17873 575. Evaluation of high-temperature gas transport properties [with lists of references]. Sept. 1966. cover title, x+124 p. il. 4° [Prepared under contract NASw-1188 by Avco Corporation, Wilmington, Mass.] Φ Paper, \$3.00.  
L.C. card 66-65751
- 17874 581. TIROS radiation measurements and variations in atmospheric heating [with list of references]; by Paul A. Davis. Oct. 1966. cover title, vi+46 p. il. 4° [Prepared under contract NAS 5-9540 by Stanford Research Institute, Menlo Park, Calif.] Φ Paper, \$2.00.
- 17875 600. Analytical study of separated flows induced by shock wave-boundary layer interaction [with list of references]; by M. S. Holden. Oct. 1966. cover title, xiv+58 p. il. 4° [Prepared under contract NAS 5-3976 by Cornell Aeronautical Laboratory, Inc., Buffalo, N.Y.] Φ Paper, \$2.50.
- 17876 603. Feasibility investigation concerning simulation of sonic boom by ballistic models [with list of references]; by J. G. Gallagher. Oct. 1966. cover title, [2]+96 p. il. 4° [Prepared under contract NAS 1-5149 by Douglas Aircraft Company, Inc., Long Beach, Calif.] Φ Paper, \$2.50.
- 17877 618. Analytic and computer studies of electron collection by spherical satellite in earth's magnetic field [with list of references]; by Lee W. Parker. Oct. 1966. cover title, iii+76 p. il. 4° [Prepared under contract NAS 5-9228 by Mt. Auburn Research Associates, Inc., Cambridge, Mass.] Φ Paper, \$2.50.
- 17878 621. Extension of plane strain analysis [with list of references]; by Kwan Rim and Roger O. Stafford. Oct. 1966. cover title, v+15 p. il. 4° [Prepared under grant NSG-576 by University of Iowa, Iowa City, Iowa.] Φ Paper, \$1.00.
- 17879 624. Feasibility breadboard of all-magnetic PCM telemetry system; by C. H. Heckler, Jr., and J. A. Baer. Oct. 1966. cover title, iv+44 p. il. 4° [Prepared under contract NAS 1-3380 by Stanford Research Institute, Menlo Park, Calif.] Φ Paper, \$2.00.
- 17880 626. Review of flight and wind tunnel measurements of boundary layer pressure fluctuations and induced structural response [with list of references]; by David Alan Bies. Oct. 1966. cover title, iii+92 p. il. 4° [Prepared under contract NAS 1-5120 by Bolt Beranek and Newman, Inc., Los Angeles, Calif.] Φ Paper, \$2.50.
- 17881 627. Experimental study of fluidization processes under lunar conditions [with list of references]; by Gordon H. Miller and Irving R. King. Oct. 1966. cover title, x+92 p. il. 4° [Prepared under contract NAS 5-9231 by Texaco Experiment, Inc., Richmond, Va.] Φ Paper, \$2.50.
- 17882 631. Minimum time aircraft trajectories between 2 points in range altitude, space [with list of references]; by Thomas L. Vincent and Richard G. Brusch. Oct. 1966. cover title, vi+48 p. il. 4° [Prepared under grant NSG-580 by University of Arizona, Tucson, Ariz.] Φ Paper, \$2.50.
- 17883 632. Investigation of ceramics as structural materials [with bibliographies]; by F. R. Shanley, W. J. Knapp, and P. Kurtz, Jr. Oct. 1966. cover title, v+15 p. il. 4° [Prepared under contract NSG-427 by University of California, Los Angeles, Calif.] Φ Paper, \$1.00.
- 17884 635. Inflight and ground-based simulation of handling qualities of very large airplanes in landing approach [with list of references]; by Philip M. Condit, Laddie G. Kimbrel, and Robert G. Root. Oct. 1966. cover title, v+61 p. il. 4° [Prepared under contract NAS 2-3224 by Boeing Company, Seattle, Wash.] Φ Paper, \$2.50.
- 17885 NASA directory of services for public. [1966.] [11] p. il. narrow 8° †  
● Item 830-C NAS 1.2: D 62
- NASA EP-(series). ● Item 830-G NAS 1.19:(nos.)
- 17886 41. Propulsion for deep space. June 1966. [1]+29 p. il. 4° (Electromagnetic Propulsion Division, Lewis Research Center.) †  
L.C. card 66-62600
- 17887 42. Planetarium, elementary-school teaching resource [with bibliographies]; editor, Bartlett A. Wagner. Feb. 1966. [1]+vi+52 p. il. 4° [Prepared by University of Bridgeport.] \* Paper, 40c.

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Commerce, Springfield, Va. 22151

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NASA facts. [Educational services publication of Educational Programs and Services Office.] • Item S30-H

- 17888 v. 3, no. 6. Laser. [1966.] 1 sheet oblong f° [Designed for bulletin board display uncut, or 8 p. ll. 4° for looseleaf notebook insertion when cut along dotted lines and folded along solid lines.] \* Paper, 10c.  
NAS 1.20:3/6

NASA SP (series).

NAS 1.21:(nos.)

- 17889 94. Significant achievements in satellite geodesy 1958-64 [articles, with lists of references]. 1966. x+174 p. ll. (Scientific and Technical Information Division.) \* Paper, 70c. • Item S30-I  
L.C. card 66-65735
- 17890 3032. Electron densities and scale heights in topside ionosphere, Alouette I observations over American continents: v. 2, March and May 1963 [with list of references; by] Kwok-Long Chan, Lawrence Colin, and John O. Thomas. 1966. [3]+607 p. ll. 4° (Scientific and Technical Information Division, Office of Technology Utilization.) • Paper, \$6.50.  
L.C. card 66-62184
- 17891 3035. Thermodynamic, transport, and flow properties for products of methane burned in oxygen-enriched air [with list of references]; by Bobby H. Croom and Edward W. Leyhe. 1966. [2]+89 p. ll. 4° (Scientific and Technical Information Division, Office of Technology Utilization.) • Paper, \$2.50  
L.C. card 66-65736

NASA tech briefs. [Issued by Technology Utilization Division to summarize specific technical innovations derived from the space program. Issued with perforations.] • Paper, each 15c. NAS 1.29:(nos.)

- 17892 66-10414. Electrically controlled optical latch and switch requires less current. Sept. 1966. [2] p. ll. 4° ([JPL-SC-111 & 112.])
- 17893 66-10417. Modified pliers facilitate coupling of bayonet-type connectors. Sept. 1966. [2] p. ll. 4° ([M-FS-1344.])
- 17894 66-10418. Bearing puller facilitates removal and replacement of bearing assemblies. Sept. 1966. [2] p. ll. 4° ([M-FS-1538.])
- 17895 66-10421. Copper wire plated with nickel and silver resists corrosion. Sept. 1966. 1 p. 4° (M-FS-761.)
- 17896 66-10422. Large diameter metal ring seal prevents gas leakage at 5000 psi. Sept. 1966. [2] p. ll. 4° ([M-FS-1064.])
- 17897 66-10423. Investigation of phase-lock loop swept-frequency synchronization. Sept. 1966. [2] p. ll. 4° ([M-FS-656.])
- 17898 66-10425. Interior servicing platform simplifies maintenance of storage tanks. Oct. 1966. [2] p. ll. 4° ([M-FS-1300.])
- 17899 66-10428. Flexible drive allows blind machining and welding in hard-to-reach areas. Oct. 1966. 1 p. 4° (MSC-524.)
- 17900 66-10433. Linear signal noise summer accurately determines and controls S/N ratio. Oct. 1966. [2] p. ll. 4° ([JPL-SC-152.])
- 17901 66-10434. Rotating magnetic poles used to pump mercury. Oct. 1966. [2] p. ll. 4° ([Lewis-276.])
- 17902 66-10436. Shaft encoder presents digital output. Oct. 1966. [2] p. ll. 4° ([JPL-SC-191.])
- 17903 66-10438. Densitometer system for liquid hydrogen has high accuracy, fast response. Oct. 1966. [2] p. ll. 4° ([M-FS-909.])
- 17904 66-10440. Photoelectric scanner makes detailed work function maps of metal surface. Oct. 1966. 1 p. ll. 4° (JPL-SC-176.)
- 17905 66-10442. Improved method for testing performance of vidicons during vibration. Oct. 1966. 1 p. 4° (JPL-SC-113.)
- 17906 66-10443. New backup-bar groove configuration improves heliarc welding of 2014-T6 aluminum. Oct. 1966. [2] p. ll. 4° ([MSC-806.])
- 17907 66-10445. Weldable aluminum alloy has improved mechanical properties. Oct. 1966. 1 p. 4° (M-FS-295.)
- 17908 66-10448. Thermal stress-relief treatments for 2219 aluminum alloy are evaluated. Oct. 1966. 1 p. 4° (M-FS-1213.)
- 17909 66-10451. Reusable chelating resins concentrate metal ions from highly dilute solutions Oct. 1966. 1 p. 4° (JPL-758.)

NASA technical memorandum TM (series).

- 17910 X-1279. Aerobee 150 structural and aerodynamic pitch coupling [with list of references]; by J. R. Busse and G. E. Kraft. Oct. 1966. cover title, iv+49 p. ll. 4° • Paper, \$2.50.  
NAS 1.15:X-1279

NASA technical note TN (series).

NAS 1.14:D-(nos.)

- 17911 D-3221. Errata, Turbulence, heat-transfer, and boundary layer measurements in conical nozzle with controlled inlet velocity profile, by Donald R. Boldman, James F. Schmidt, and Anthony Fortini, Mar. 1966. [Oct. 10, 1966.] [3] leaves, ll. 4° †
- 17912 D-3457. Steady-state composition of low-density nonequilibrium hydrogen plasma [with list of references]; by Roman Krawec. Oct. 1966. cover title, [1]+18 p. ll. 4° • Paper, \$1.00.
- 17913 D-3571. Project Fire photographic summary and record of reentry phenomena at hyperbolic velocities [with list of references]; by Charles W. McKee. Oct. 1966. cover title, [1]+68 p. ll. 4° • Paper, \$2.50.

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- 17914 D-3619. Evaluation of several silicone, phenolic, and epoxy base heat-shield materials at various heat-transfer rates and dynamic pressures [with list of references]; by Andrew J. Chapman. Oct. 1966. cover title, [1]+56 p. il. 4°  $\Phi$  Paper, \$2.50.
- 17915 D-3630. Damage to field-effect transistors under 22 and 128 MeV proton bombardments [with list of references]; by Floyd R. Bryant and Carl L. Fales. Oct. 1966. cover title, [1]+43 p. il. 4°  $\Phi$  Paper, \$2.00.
- 17916 D-3632. Experimental and analytical study of longitudinal vibration of simplified Thor vehicle structure [with list of references]; by Huey D. Carden and John P. Raney. Oct. 1966. cover title, iv+41 p. il. 4°  $\Phi$  Paper, \$2.00.
- 17917 D-3640. Stored program computer for small scientific spacecraft; by Rodger A. Cliff. Oct. 1966. cover title, iii+52 p. il. 4°  $\Phi$  Paper, \$2.50.
- 17918 D-3646. Project Fire instrumentation for radiative heating and related measurements [with list of references]; by Norman R. Richardson. Oct. 1966. cover title, iii+72 p. il. 4°  $\Phi$  Paper, \$2.50.
- 17919 D-3653. Fixed-base visual-simulation study of manually controlled translation and hover maneuvers over lunar surface [with list of references]; by G. Kimball Miller, jr. Oct. 1966. cover title, [1]+24 p. il. 4°  $\Phi$  Paper, \$1.00.
- 17920 D-3654. Analog study of passive thermal behavior of orbiting space station [with list of references]; by Lenwood G. Clark and John W. Wilson. Oct. 1966. cover title, [1]+36 p. il. 4°  $\Phi$  Paper, \$2.00.
- 17921 D-3658. Overlay copy technique to provide high-contrast electron micrographs for automatic metallographic analysis [with list of references]; by L. Frederick Norris, Walter S. Cremens, and John W. Weeton. Oct. 1966. cover title, [1]+6 p. il. 4°  $\Phi$  Paper, \$1.00.
- 17922 D-3660. Ablative and insulating properties of outgassed boron nitride and boron nitride composite [with list of references]; by Arthur F. Okuno. Oct. 1966. cover title, [1]+19 p. il. 4°  $\Phi$  Paper, \$1.00.
- 17923 D-3662. Error analysis of weighted least squares process to determine lunar gravitational field [with list of references]; by Robert H. Tolson and Harold R. Compton. Oct. 1966. cover title, [1]+37 p. il. 4°  $\Phi$  Paper, \$2.00.
- 17924 D-3663. Effect of moisture on cadmium sulfide solar cells [with list of references]; by Adolph E. Spakowski, Ferdinand L. Acampora, and Russell E. Hart, jr. Oct. 1966. cover title, [1]+14 p. il. 4°  $\Phi$  Paper, \$1.00.
- 17925 D-3666. Ten-bit analog-to-digital converter [with list of references]; by Robert S. Lee. Oct. 1966. cover title, iii+6 p. il. 4°  $\Phi$  Paper, \$1.00.
- 17926 D-3668. Supercircular entry guidance concept designed for maximum monitoring capability [with list of references]; by C. Dewey Havill, Kenneth C. White, and Glen W. Stinnett. Oct. 1966. cover title, [1]+38 p. il. 4°  $\Phi$  Paper, \$2.00.
- 17927 D-3669. Effects of Gemini left-hand window on experiments requiring accuracy in sighting or resolution [with one reference]; by Thomas M. Walsh, David N. Warner, jr., and Michael B. Davis. Oct. 1966. cover title, [1]+28 p. il. 4°  $\Phi$  Paper, \$2.00.
- 17928 D-3670. Comparison of calculated and measured characteristics of horizontal multitube heat exchanger with steam condensing inside tubes [with list of references]; by Harold H. Coe, Orlando A. Gutierrez, and David B. Fenn. Oct. 1966. cover title, [1]+48 p. il. 4°  $\Phi$  Paper, \$2.00.
- 17929 D-3679. Data converter and display system for Wisconsin experiment on Orbiting Astronomical Observatory [with list of references]; by Sterling R. Smith. Oct. 1966. cover title, iii+19 p. il. 4°  $\Phi$  Paper, \$1.00.
- 17930 D-3680. Liquid-hydrogen density measurements using open-ended microwave cavity [with list of references]; by Norman C. Wenger and Jerry Smetana.  $\Phi$  Paper, \$1.00.
- 17931 D-3684. Nonsteady liquid and gas flow with heat addition and shock perturbations [with list of references]; by Fred S. Sidransky and Margaret Marie Smith. Oct. 1966. cover title, iii+65 p. il. 4°  $\Phi$  Paper, \$2.50.

## NASA technical report R (series).

- 17932 246. Flammability in zero-gravity environment [with list of references]; by J. H. Kimzey [and others]. Oct. 1966. cover title, vii+42 p. il. 4° [Some illustrations are colored.]  $\Phi$  Paper, \$2.00. NAS 1.12: 246 L.C. card 66-65734
- 17933 14th semiannual report to Congress, July 1-Dec. 31, 1965. [1965. [1966.] xviii+269 p. il. [Text on p. 2 of cover. Also issued as H. doc. 526, 89th Cong., 2d sess.] \* Paper, \$1.25 • Item 830-A L.C. card 59-61976 NAS 1.1: 965-2

## NATIONAL AGRICULTURAL LIBRARY, Agriculture Dept. Washington, D.C. 20250

### Library lists. $\uparrow$

A 17.17:(nos.)

- 17934 84. Rural electrification in United States 1954-64, list of selected references; [compiled by Dean Timothy Andrews]. June 1966. iv+70 p. 4° L.C. card Agr 66-276
- 17935 85. Publications on Chinese agriculture prior to 1949; [compiled by William J. C. Logan and Peter B. Schroeder] July 1966. [2]+ii+142 p. 4° L.C. card Agr 66-273

$\Phi$ For Sale by Clearinghouse, U.S. Department of  
Commerce, Springfield, Va. 22151  
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# GOVERNMENT PUBLICATIONS

## NATIONAL BUREAU OF STANDARDS, Commerce Dept. Washington, D.C. 20235

Commercial standard CS (series). ([Office of Products Standards.])  
● Item 243

- 17936 236-66. Mat-formed wood particle board, recorded voluntary standard of trade.  
[2d edition.] [1966.] 8 p. il. 4° [Effective Apr. 15, 1966. Super-  
sedes CS236-61.] \* Paper, 10c. C 13.20: 236-66

Journal of research of National Bureau of Standards [with lists of refer-  
ences]; v. 69, Jan.-Dec. 1965.

- 17937 sec. A. Physics and chemistry, papers 69A1-320 to 69A6-379. [1966.] v+569  
p. il. 4° \* Cloth, \$5.50.  
L.C. card 62-37059 C 13.22/2: 69A  
17938 sec. B. Mathematics and mathematical physics, papers 69B1-131 to 69B4-164.  
[1966.] iv+[2]+346 p. il. 4° \* Cloth, \$3.75. C 13.22/2: 69B  
L.C. card 62-4414

Miscellaneous publication. ● Item 247

- 17939 280. Hydraulic research in United States, 1966, including contributions from  
Canadian Laboratories; edited by Helen K. Middleton and Gershon Kulin.  
Sept. 8, 1966. viii+248 p. 4° \* Paper, \$1.50. C 13.10: 280  
L.C. card 34-3323

National standard reference data series, NSRDS-NBS.

- 17940 7. High temperature properties and decomposition of inorganic salts: pt. 1, Sul-  
fates [with list of references; by] K. H. Stern and E. L. Weise. Oct. 1, 1966.  
v+38 p. 4° (Category 5, Thermodynamic and transport properties.) \* Pa-  
per, 35c. ● Item 248-B C 13.48: 7/pt. 1  
L.C. card 66-60081

Technical notes. ● Item 249-A

C 13.46: (nos.)

- 17941 295. Disclosures on transrotor engine, High temperature platinum resistance  
thermometer, Dynamic analog correlation system, Combination metering  
and safety valve for filling sonde balloons with hydrogen [articles]; edi-  
tors, David Robbins and Alvin J. Englert. Oct. 21, 1966. iv+22 p. il. 4°  
\* Paper, 25c.  
17942 339. Observed phase-front distortion in simulated earth-to-space microwave trans-  
missions [with list of references; by] H. B. Jones and M. C. Thompson, jr.  
May 12, 1966. iii+96 p. il. 4° \* Paper, 50c.  
17943 343. Temperature-entropy diagram for parahydrogen triple-point region [with list  
of references; by] C. F. Sindt and D. B. Mann. June 22, 1966. iii+6 p.  
il. 4° \* Paper, 15c.  
17944 405. Organic chemistry, air pollution studies, kinetic behavior of sugars in solu-  
tion, carbon-14- and tritium-labeled carbohydrates, characterization of  
chemical structures, phenylhydrazine-phenylazo tautomerism, synthesis  
of research materials, cyclopentitols and related substances, novel research  
materials, standard reference materials (organic), July 1965-June 1966  
[articles, with list of references]; edited by Horace S. Isbell. Sept. 30,  
1966. x+112 p. il. 4° [Page 112 left blank for notes.] \* Paper, 60c.  
17945 408. Superconductive materials and some of their properties [with bibliography];  
B. W. Roberts. Sept. 26, 1966. [80] p. il. 4° [Prepared for Office of  
Standard Reference Data, Institute for Basic Standards.] \* Paper, 45c.  
L.C. card 66-65752

## NATIONAL CAPITAL REGIONAL PLANNING COUNCIL Washington, D.C. 20576

National capital open space program: Planning report. ● Item 831-A

- 17946 2. Recreational open space priorities; [prepared by Richard B. Westbrook].  
[1966.] [6]+34 p. il. map, 4° ‡ NC 3.9/2:2

## NATIONAL COMMISSION ON FOOD MARKETING Washington, D.C. 20407

NOTE.—The National Commission on Food Marketing was established by Public  
law 88-354, approved July 3, 1964.

Technical studies. ‡ ● Item 1070-G

Y 3.N 21/22: 9/(nos.)

- 17947 1. Organization and competition in livestock and meat industry: supp. 1, Struc-  
ture and conduct of commercial cattle feeding industry; [by Willard F.  
Williams]. June 1966. [3]+80+[19] p. 4°  
L.C. card 66-62566  
17948 Same: supp. 2, Economics of scale in cattle slaughtering plants [with list of  
literature cited; by Samuel H. Logan]. June 1966. [3]+44+[1] p. il. 4°  
L.C. card 66-62566

\*For Sale by Superintendent of Documents  
‡Distribution Made by Issuing Office  
‡Official Use. Not Available

# DECEMBER 1966

- 17949 4. [Organization and competition in fruit and vegetable industry], supp. 3. Federal and State enabling legislation for fruit and vegetable marketing orders, evolution and current status; [prepared by Kenneth R. Farrell]. June 1966. [9]+137 p. 4°  
L.C. card 66-62567

## NATIONAL GUARD BUREAU, Defense Dept. Washington, D.C. 20310

- NGB pamphlets. ‡ ● Item 358 D 12.8:44-(nos.)
- 17950 44-3. Announcement of winners, National Rifle Association, indoor rifle tournament [Oct. 1, 1965-Mar. 1, 1966]. [Aug. 1, 1966.] cover title, [9] p. il. 4° (Departments of Army and Air Force.) [Issued with perforations. Supersedes NGB pam 44-3, Apr. 30, 1966.]
- 17951 44-4. Announcement of winners, chief National Guard Bureau's trophies (indoor rifle and pistol matches, postal) [June 1, 1965-May 30, 1966]. [Aug. 30, 1966.] cover title, il+52+[4] p. il. 4° (Departments of Army and Air Force.) [Issued with perforations. Supersedes NGB pam 44-4, July 30, 1965.]
- 17952 44-6. Announcement of winners, Eisenhower trophy [calendar year 1965]. [July 30, 1966.] [12] p. il. 4° (Department of Army and Air Force.) [Issued with perforations. Supersedes NGB pam 44-6, Oct. 30, 1965.]

## NATIONAL LABOR RELATIONS BOARD Washington, D.C. 20570

- 17953 Decisions and orders of National Labor Relations Board, v. 154, July 24-Sept. 30, 1965. 1966. xvi+1840 p. \* Cloth, \$5.75. ● Item 826  
L.C. card 37-26136 LR 1.8: 154
- 17954 Working with automation, remarks of Sam Zagoria, Member, National Labor Relations Board, at seminar on manpower policy and program sponsored by Manpower Administration, Department of Labor, Washington, D.C., Oct. 13, 1966. 1966. [1]+14+[1] p. 4° (R-1056.) ‡  
LR 1.7: Z 1/9

## NATIONAL LIBRARY OF MEDICINE, Health, Education, and Welfare Dept., Bethesda, Md. 20014

- 17955 Bibliography of history of medicine, no. 1, 1965. 1966. x+290 p. 4° ([Publication 1540.]) \* Paper, \$1.75. ● Item 508-F  
L.C. card 66-62950 FS 2.209/4:1

## NATIONAL PARK SERVICE, Interior Dept. Washington, D.C. 20242

- 17956 Flaming Gorge National Recreation Area, Wyo., Utah. [Revised 1966.] [1966.] [2] p. il. large 4°, folded into narrow 8° size. \* Paper, 15c.  
● Item 654 I 29.39: F 61/966
- 17957 Fort Donelson National Military Park, Tenn. [1966.] [2] p. il. narrow f°, folded into oblong 32° size. \* Paper, 10c. ● Item 650  
I 29.21: F 77d/2/966
- 17958 Fort Laramie National Historic Site, Wyo. [1966.] [2] p. il. f° folded into narrow 8° size. ‡ ● Item 650  
I 29.21: F 77i/966
- 17959 Lava Beds National Monument, Calif. [1966.] [10] p. il. narrow 8° ‡  
● Item 650 I 29.21: L 38/2/966
- 17960 Mount McKinley National Park, Alaska. [Revised 1966.] [1966.] [24] p. il. 4°, folded into narrow 8° size. \* Paper, 20c. ● Item 651  
I 29.6: M 86/20/966
- 17961 Point Reyes National Seashore, Calif. [Revised 1966.] [1966.] [8] p. il. (with map on verso) folded into narrow 8° size. \* Paper, 10c.  
● Item 651 I 29.6/2: P 75/966
- 17962 Wind Cave National Park, S. Dak. [1966.] [2] p. il. f°, folded into narrow 8° size. \* Paper, 10c. ● Item 651  
I 29.6: W 72/2/966

# GOVERNMENT PUBLICATIONS

## NATIONAL RAILROAD ADJUSTMENT BOARD Washington, D.C. 20572

- 17963 Awards 1841-1996, and interpretations with index digest, 4th division, v. 19. Keenan Printing Company, Chicago, Ill. [1966.] iv+1206 p. † National Railroad Adjustment Board, Chicago, Ill. (Price upon application). L.C. card 40-29244 RA 1.10: 19

## NATIONAL SCIENCE FOUNDATION Washington, D.C. 20550

- 17964 Federal funds for research, development, and other scientific activities, fiscal years 1965-67, v. 15; [prepared in Office of Economic and Manpower Studies]. [1966.] x+195 p. il. 4° (Surveys of science resources series; NSF 66-25.) \* Paper, \$1.25. ● Item 834-N NS 1.18: 15  
L.C. card 53-61515

## NAVAL OCEANOGRAPHIC OFFICE, Defense Dept. Washington, D.C. 20390

Publications. ● Item 378 (Rev. 1957) D 203.22:(nos.)

- 17965 11. Change 2, June 18, 1966, loose leaf change pages for correcting Sailing directions for British Columbia, v. 2, 6th edition, 1962. [1966.] [63] p. il. 4° [Formerly no. 176. Includes list of effective pages.] † Paper, 35c.  
17966 33. Change 10, Apr. 23, 1966, loose leaf change pages for correcting Sailing directions for west coast of Scotland, 4th edition, 1951. [1966.] [49] p. il. 4° [Formerly 147. Includes list of effective pages.] † Paper, 35c.  
17967 73. Change 9, June 11, 1966, loose leaf change pages for correcting Sailing directions for New Guinea, 4th edition, 1952. [1966.] [129] p. il. 4° [Formerly no. 164. Includes list of effective pages.] † Paper, 35c.  
17968 74. Change 9, Aug. 13, 1966, loose leaf change pages for correcting Sailing directions for north and west coasts of Australia, 3d edition, 1952. [1966.] [63] p. 4° [Formerly 170. Includes list of effective pages.] † Paper, 35c.  
17969 93. Change 9, July 16, 1966, loose leaf change pages for correcting Sailing directions for western shores of South China Sea, 5th edition, 1957. [1966.] [76] p. il. 4° [Formerly 125. Includes list of effective pages.] † Paper, 35c.  
17970 112. Change 11, List of lights and fog signals, Western Pacific and Indian Oceans including Persian Gulf and Red Sea; Aug. 20, 1966. 1966. [208] p. 4° [Includes list of effective pages and Notice to mariners 34, 1966. Issued in looseleaf form.] † Paper, 50c.  
17971 RDT&E, research, development, testing, and evaluation at Naval Oceanographic Office, 1960-66. [1966.] [56] p. il. oblong 8° [Text on p. 2 of cover.] \* Paper, 60c. ● Item 377 D 203.2: R 31

## NAVAL PERSONNEL BUREAU, Defense Dept. Washington, D.C. 20390

- 17972 Basic digital computer and programming concepts. Feb. 1964. cover title, i+135+AS p. il. 4° (NAVPERS 93251.) [Original publication by Donald M. Brown, produced by UNIVAC Division, Sperry Rand Corporation, and modified for Navy use.] † ● Item 404 D 208.11/2: C 73/5  
L.C. card 66-65728  
17973 Basics of magnetic amplifiers, trainee's guide for fire control technician training. Sept. 1966. cover title, xi+107 p. il. 4° (NAVPERS 92389B.) [Supersedes NAVPERS 82389A.] † ● Item 403-A D 208.6/3: Am 7/966  
17974 Fire control electronics, instructor's guide for fire control technician training. Sept. 1966. cover title, viii+143 p. oblong 8° (NAVPERS 93581.) † ● Item 403-A D 208.6/3: F 51/3  
17975 Lithographer 1 & C [with reading list]. [1950, revised 1966.] [1966.] cover title, v+305 p. il. 4° (Navy training course; NAVPERS 10454-A.) \* Paper, \$1.75. ● Item 404 D 208.11: L 71/2/966  
L.C. card 66-62935

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DECEMBER 1966

- 17976 Machinery repairman 3 & 2 [with reading list; prepared by Training Publications Division, Naval Personnel Program Support Activity]. [1st edition 1952, revised 1966.] [1966.] cover title, vi+298 p. il. 4° (Navy training course; NAVPERS 10530-C.) [Copyrighted materials included.] ‡ ● Item 404  
L.C. card 63-60156 D 208.11 : M 18/3/966

NAVAL RESEARCH OFFICE, Defense Dept.  
Washington, D.C. 20390

NRL report. (Naval Research Laboratory.)

- 17977 6411. Potential of platinum electrode at low partial pressures of hydrogen and oxygen: pt. 2, Improved gas-tight system with negligible oxygen leak [with list of references; by] S. Schuldiner, B. J. Piersma, and T. B. Warner. June 20, 1966. cover title, 10+[4] p. il. 4° ([NRL problems C05-06 and C05-13, projects SR 007-12-01-0809 and RR 001-01-43-4754.]) ‡ Paper, \$1.00 (AD 636483). D 210.8 : 6411

NAVY DEPARTMENT, Defense Dept.  
Washington, D.C. 20350

- 17978 U.S. Navy public affairs regulations. [Revised Dec. 1965.] [1966.] cover title, xxi+[392] p. (NAVSO P-1035; Office of Information.) [Issued in looseleaf form. Supersedes Navy public information manual NAVEXOS P-1035.] \* Paper, \$2.25. ● Item 373 D 201.6 : P 96/965
- 17979 [This entry number not used.]

OUTDOOR RECREATION BUREAU, Interior Dept.  
Washington, D.C. 20240

- 17980 Focus on the Hudson, evaluation of proposals and alternatives. [Aug. 1966.] cover title, viii+51 p. il. 4° [Issued also: Map, Existing and proposed scenic and recreational areas, with map, Urban areas, agriculture, transportation, and river-oriented industry, on verso. 31 x 21 in.] ‡ ● Item 657-B-1  
L.C. card 66-62701 I 66.2 : H 86
- Outdoor recreation action. [Quarterly. Issued with perforations.] \* Paper, \$1.50 a yr., 25c. additional for foreign mailing; single copy 45c.
- 17981 no. 1— Aug. 1966— I 66.17 : (nos.)

PATENT OFFICE, Commerce Dept.  
Washington, D.C. 20231

- 17982 Directory of registered patent attorneys & agents, arranged by States and cities, 1966. [Jan. 1966.] iii+194 p. 4° \* Paper, \$1.00. ● Item 262-A  
L.C. card 66-65727 C 21.9/2 : 966
- 17983 Imperative of international patent cooperation, text of address by Edward J. Brenner, Commissioner of Patents, for delivery before International Patent Conference sponsored by National Association of Manufacturers, Washington, D.C., Oct. 11, 1966. 1966. 12 p. 4° ‡ C 21.20 : B 75/11
- 17984 Index to classification. [Apr. 1966.] 343 p. 4° [Issued in looseleaf form.] Not sold separately; included in subscription to Manual of classification and patents, which is \* Paper, \$8.50 (including basic manual, index, and revised pages for an indefinite period), \$2.00 additional for foreign mailing. ● Item 257  
L.C. card 61-60109 C 21.12/2 : 966
- 17985 Manual of classification [replacement pages incorporating changes directed by Classification orders issued subsequent to Mar. 31, 1966, and prior to July 1, 1966]. [1966.] [84] p. 4° [Includes list of replacement pages. Issued in looseleaf form.] \* Paper, \$8.50 (including basic manual, index, and revised pages for an indefinite period); \$2.00 additional for foreign mailing. ● Item 258 C 21.12 : 963/rev. pages-15

# GOVERNMENT PUBLICATIONS

- 17986 Manual of Classification (replacement pages incorporating changes directed by classification orders issued subsequent to June 30, 1966, and prior to Oct. 1, 1966.) [1966.] [82] p. 4° [Includes list of replacement pages. Issued in looseleaf form.] \* Paper, \$8.50 (including basic manual, index and revised pages for an indefinite period), \$2.00 additional for foreign mailing. ● Item 258 C 21.12: 963/rev. pages-16
- 17987 Trademark, rules of practice of Patent Office with forms and statutes 1966. [7th edition, May 1966.] [1966.] 124 p. il. [Amendments effective Oct. 16, 1965, Apr. 1 and 8, and May 19, 1966 are included.] \* Paper, 45c. ● Item 262 C 21.14: T 67/2/966  
L.C. card 48-50085

## POST OFFICE DEPARTMENT Washington, D.C. 20260

- 17988 Directory of post offices (with ZIP codes). [July 1966.] viii+494 p. 4° ([Publication 26; Bureau of Operations.]) [Revised annually. Last 2 pages left blank for notes.] \* Paper, \$2.75. ● Item 839 P 1.10/4: 966  
L.C. card 55-61389
- 17989 1964 and 1966 agreements between Post Office Department and 7 employee organizations holding exclusive recognition with explanation of changes. Sept. 24, 1966. cover title, i+130 p. oblong 8° † ● Item 837 P 1.2: P 84/32/966

## PRESIDENT OF UNITED STATES Washington, D.C. 20501

- 17990 Remarks by Margaret F. Ackroyd, Chief, Division of Women and Children, Rhode Island Department of Labor, 3d National Conference of Commissions on Status of Women, Panel on Labor Standards and Equal Employment Opportunity for Women, June 29, 1966, Washington, D.C. [1966.] 5 leaves, 4° ([WB67-63.]) † Pr 35.8: W 84/Ac 5

## PUBLIC DOCUMENTS DIVISION, Government Printing Office Washington, D.C. 20402

- 17991 For the reader on your holiday gift list. [1966.] [2] p. narrow f° folded into oblong 48° size. † ● Item 552 GP 3.22: G 36/966  
Price list PL (series). † ● Item 554 GP 3.9: (nos.)
- 17992 11. Home economics, foods and cooking; Aug. 1966. 56th edition. [1966.] [2]+15 p. il. L.C. card 26-26496
- 17993 28. Finance, national economy, accounting, insurance, securities; Aug. 1966. 51st edition. [1966.] [2]+34 p. L.C. card 26-26476
- 17994 35. National parks, historic sites, national monuments; Aug. 1966. 44th edition. [1966.] [2]+13 p. L.C. card 26-26625
- 17995 36. Government periodicals and subscription services; Nov. 1966. 124th edition. [1966.] [2]+34 p. L.C. card 26-26170
- 17996 63. Navy, Marine Corps and Coast Guard; Sept. 1966. 44th edition. [1966.] [2]+24 p. L.C. card 26-26207
- 17997 1967 revised editions, United States Government official tax information, Your Federal income tax [and] Tax guide for small business, 2 annually revised publications designed to explain in easily understandable language Federal tax laws and to help you find answer to your problem, [announcement and] advance order form. [1966.] [2] p. 12° folded into oblong 48° † ● Item 552 GP 3.22: T 19/967
- 17998 Traffic sign charts in full color for wall or desk [announcement and order form.] [1966.] [2] p. il. oblong 16° folded into oblong 48° size. † ● Item 552 GP 3.22: T 67

\*For Sale by Superintendent of Documents  
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- 17999 United States wall map, official map of United States, lithographed in 12 colors, prepared by Bureau of Land Management, Department of Interior [announcement and order form]. [1966.] [4] p. oblong 48° †  
● Item 552 GP 3.22: Un 3

**PUBLIC HEALTH SERVICE, Health, Education, and Welfare Dept.  
Washington, D.C. 20201**

- 18000 Artificial kidney, what it is, how it works. [Revised May 1966.] [1966.] cover title, [32] p. il. oblong 24° ([Publication 1409.]) \* Paper, 15c.  
● Item 485 FS 2.2: K 54/966  
L.C. card 66-65722

- 18001 Clinical Center, current clinical studies and patient referral procedures. Revised Oct. 1966. [1966.] iv+50 p. narrow 8° (National Institutes of Health.) [Illustration on front and back cover.] † ● Item 507  
L.C. card 55-60833 FS 2.22: C 61/3/966

- 18002 [Division of Hospitals] annual statistical summary, fiscal year 1966: pt. 1, Management data. [1966.] xxii+162 p. il. 4° ([Publication 1532]; Division of Hospitals, Statistics and Reports Branch.) [Issued with marginal index tabs on blank cardboard showing part numbers and titles.] † ● Item 494-C  
L.C. card 65-60230 FS 2.18/2: 966/pt. 1

**Environmental health series: Radiological health. (Division of Radiological health.) ● Item 483-F**

- 18003 RH-18. Mortality of New England dentists, 1921-60 [with list of references; by] Robert L. Glass. [May 1966.] viii+70 p. il. ([Publication 999-RH-18.]) [Report of study performed at Department of Epidemiology, Harvard School of Public Health, and aided by contract number Saph 76598. Abstract cards attached to back cover.] † Public Inquiries Branch, Public Health Service, Health Education, and Welfare Dept., Washington, D.C. 20201  
L.C. card 66-60069 FS 2.300: RH-18

- 18004 Focus resources in school health services. [Sept. 1966.] [8] p. narrow 8° ([Publication 1537; Division of Community Health Services, School Health Section.]) \* Paper, 5c. ● Item 485 FS 2.2: Sch 6/3

- 18005 Habits and coronary heart disease, Framingham heart study; [prepared by Heart Information Center, National Heart Institute]. [1966.] cover title, 12 p. il. oblong 12° ([Publication 1515.]) [Text on p. 2 of cover.] \* Paper, 15c. ● Item 507  
L.C. card 66-62686 FS 2.22: H 35/12

**Health information series.**

- 18006 22. Mumps. [Revised 1966.] [1966.] [2] p. 4°, folded into narrow 8° size. ([Publication 61.]) \* Paper, \$2.00 per 100; single copy, 5c. ● Item 486  
FS 2.50: 22/3

**Health mobilization series. (Division of Health Mobilization.) ● Item 486-E**

- 18007 F-13. Pharmacy section of packaged disaster hospital. 1966. iii+29 p. il. ([Publication 1071-F-13.]) [Includes list of publications on packaged disaster hospital and related material.] \* Paper, 20c.  
FS 2.302: F-13

**Life tables, 1959-61, data from National Center for Health Statistics: v. 2, State life tables, no. ([Division of Health Records Statistics.]) †**

● Item 500-E

L.C. card 65-60442

FS 2.85/3: 2/(nos.)

- 8008 1. Alabama. June 1966. [2]+3-15 p. 4° ([Publication 1252, v. 2, no. 1.])  
8009 2. Alaska. June 1966. [2]+19-27 p. 4° ([Publication 1252, v. 2, no. 2.])  
8010 3. Arizona. June 1966. [2]+31-39 p. 4° ([Publication 1252, v. 2, no. 3.])  
8011 4. Arkansas. June 1966. [2]+43-55 p. 4° ([Publication 1252, v. 2, no. 4.])  
8012 5. California. June 1966. [2]+59-71 p. 4° ([Publication 1252, v. 2, no. 5.])  
8013 6. Colorado. June 1966. [2]+75-83 p. 4° ([Publication 1252, v. 2, no. 6.])  
8014 7. Connecticut. June 1966. [2]+87-95 p. 4° ([Publication 1252, v. 2, no. 7.])  
8015 8. Delaware. June 1966. [2]+99-107 p. 4° ([Publication 1252, v. 2, no. 8.])  
8016 9. District of Columbia. June 1966. [2]+111-123 p. 4° ([Publication 1252, v. 2, no. 9.])

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Commerce, Springfield, Va. 22151

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## Life tables, etc.—Continued

- 18017 10. Florida. June 1966. [2]+127-139 p. 4° ([Publication 1252, v. 2, no. 10.])
- 18018 11. Georgia. June 1966. [2]+143-155 p. 4° ([Publication 1252, v. 2, no. 11.])
- 18019 12. Hawaii. June 1966. [2]+159-171 p. 4° ([Publication 1252, v. 2, no. 12.])
- 18020 13. Idaho. June 1966. [2]+175-183 p. 4° ([Publication 1252, v. 2, no. 13.])
- 18021 14. Illinois. June 1966. [2]+187-199 p. 4° ([Publication 1252, v. 2, no. 14.])
- 18022 15. Indiana. June 1966. [2]+203-213 p. 4° ([Publication 1252, v. 2, no. 15.])
- 18023 16. Iowa. June 1966. [2]+219-227 p. 4° ([Publication 1252, v. 2, no. 16.])
- 18024 17. Kansas. June 1966. [2]+231-239 p. 4° ([Publication 1252, v. 2, no. 17.])
- 18025 18. Kentucky. June 1966. [2]+243-255 p. 4° ([Publication 1252, v. 2, no. 18.])
- 18026 19. Louisiana. June 1966. [2]+259-271 p. 4° ([Publication 1252, v. 2, no. 19.])
- 18027 20. Maine. June 1966. [2]+275-283 p. 4° ([Publication 1252, v. 2, no. 20.])
- 18028 21. Maryland. June 1966. [2]+287-299 p. 4° ([Publication 1252, v. 2, no. 21.])
- 18029 22. Massachusetts. June 1966. [2]+303-311 p. 4° ([Publication 1252, v. 2, no. 22.])
- 18030 23. Michigan. June 1966. [2]+315-327 p. 4° ([Publication 1252, v. 2, no. 23.])
- 18031 24. Minnesota. June 1966. [2]+331-339 p. 4° ([Publication 1252, v. 2, no. 24.])
- 18032 25. Mississippi. June 1966. [2]+343-355 p. 4° ([Publication 1252, v. 2, no. 25.])
- 18033 26. Missouri. June 1966. [2]+359-371 p. 4° ([Publication 1252, v. 2, no. 26.])
- 18034 27. Montana. June 1966. [2]+375-383 p. 4° ([Publication 1252, v. 2, no. 27.])
- 18035 28. Nebraska. June 1966. [2]+387-395 p. 4° ([Publication 1252, v. 2, no. 28.])
- 18036 29. Nevada. June 1966. [2]+399-407 p. 4° ([Publication 1252, v. 2, no. 29.])
- 18037 30. New Hampshire. June 1966. [2]+411-419 p. 4° ([Publication 1252, v. 2, no. 30.])
- 18038 31. New Jersey. June 1966. [2]+423-435 p. 4° ([Publication 1252, v. 2, no. 31.])
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- 18041 34. North Carolina. June 1966. [2]+467-479 p. 4° ([Publication 1252, v. 2, no. 34.])
- 18042 35. North Dakota. June 1966. [2]+483-491 p. 4° ([Publication 1252, v. 2, no. 35.])
- 18043 36. Ohio. June 1966. [2]+495-507 p. 4° ([Publication 1252, v. 2, no. 36.])
- 18044 37. Oklahoma. June 1966. [2]+511-523 p. 4° ([Publication 1252, v. 2, no. 37.])
- 18045 38. Oregon. June 1966. [2]+527-535 p. 4° ([Publication 1252, v. 2, no. 38.])
- 18046 39. Pennsylvania. June 1966. [2]+539-551 p. 4° ([Publication 1252, v. 2, no. 39.])
- 18047 40. Rhode Island. June 1966. [2]+555-563 p. 4° ([Publication 1252, v. 2, no. 40.])
- 18048 41. South Carolina. June 1966. [2]+567-579 p. 4° ([Publication 1252, v. 2, no. 41.])
- 18049 42. South Dakota. June 1966. [2]+583-589 p. 4° ([Publication 1252, v. 2, no. 42.])
- 18050 43. Tennessee. June 1966. [2]+595-607 p. 4° ([Publication 1252, v. 2, no. 43.])
- 18051 44. Texas. June 1966. [2]+611-623 p. 4° ([Publication 1252, v. 2, no. 44.])
- 18052 45. Utah. June 1966. [2]+627-635 p. 4° ([Publication 1252, v. 2, no. 45.])
- 18053 46. Vermont. June 1966. [2]+639-647 p. 4° ([Publication 1252, v. 2, no. 46.])
- 18054 47. Virginia. June 1966. [2]+651-663 p. 4° ([Publication 1252, v. 2, no. 47.])
- 18055 48. Washington. June 1966. [2]+667-675 p. 4° ([Publication 1252, v. 2, no. 48.])
- 18056 49. West Virginia. June 1966. [2]+679-687 p. 4° ([Publication 1252, v. 2, no. 49.])
- 18057 50. Wisconsin. June 1966. [2]+691-699 p. 4° ([Publication 1252, v. 2, no. 50.])
- 18058 51. Wyoming. June 1966. [2]+703-711 p. 4° ([Publication 1252, v. 2, no. 51.])
- 18059 List of project grants awarded for improvement in nurse training under Nurse training act of 1964, June 1965-July 1966. [Aug. 1966.] [2]+34 p. ([Supplement to publication 1154-2; Division of Nursing.]) 10  
 ● Item 485 FS 2.2: N 93/54/supp. 1
- 18060 Medical internships in U.S. Public Service hospitals. [Revised Aug. 1966.] [1966.] cover title, 12 p. il. narrow 8° ([Publication 1376.])  
 ● Item 496-B FS 2.89: 960

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- 18061 Medical rehabilitation, report of National Advisory Community Health Committee to Surgeon General [with bibliography]. [Sept. 1966.] [2]+19 p. ([Division of Chronic Diseases.]) † ● Item 485  
L.C. card 66-65718 FS 2.2: R 26/5
- 18062 Neonatal respiratory adaptation, proceedings of Interdisciplinary Conference on Neonatal Respiratory Adaptation, Dec. 6-9, 1963, Princeton, N.J. [with lists of references]; scientific editor, Thomas K. Oliver, jr., technical editor, Wanda M. Burnett. [1966.] xvii+251 p. il. ([Publication 1432]; National Institutes of Health, National Institute of Child Health and Human Development.) \* Paper, \$1.25. ● Item 507  
L.C. card 66-62916 FS 2.22: R 31/13
- 18063 NINDB neurological information network: Parkinson's disease, present status and research trends [with bibliography]; prepared by staff of Parkinson's Disease Information Center, College of Physicians and Surgeons, Columbia University. 1966. ix+41 p. 4° (Publication 1491; National Institutes of Health, National Institute of Neurological Diseases and Blindness.) \* Paper, 35c. ● Item 507  
L.C. card 66-63741 FS 2.22: P 22
- 18064 Nursing student loan program, information for students. [Revised Oct. 1966.] [1966.] [6] p. 4° (Publication 1348.) † ● Item 485  
FS 2.2: St 9/3/966
- 18065 Oral cancer control. [Aug. 1966.] 10+[2] p. il. narrow 8° ([Publication 1524; Division of Chronic Diseases, Cancer Control Branch.]) \* Paper, 10c. ● Item 485  
FS 2.2: C 16/12
- 18066 Pakistan, nutrition survey of East Pakistan, Mar. 1962-Jan. 1964, report by Ministry of Health, Government of Pakistan, in collaboration with University of Dacca, and Nutrition Section, Office of International Research, National Institutes of Health [with lists of references]. May 1966. cover title, ix+426 p. il. 4° † ● Item 507-A-16  
FS 2.22/57: P 17
- 18067 Population exposure to X-rays U.S. 1964, report on Public Health Service, X-ray exposure study [with bibliography]; by Joseph N. Gitlin and Philip S. Lawrence. [1966.] x+218 p. il. ([Publication 1519.]) \* Paper, \$1.50. ● Item 485  
L.C. card 66-65732 FS 2.2: X 7/2
- 18068 Project grants in community health, out-of-hospital health services authorized under sec. 316 Public Health Service act. [Revised Aug. 1966.] [1966.] [2]+14 p. 4° ([Publication 1289]; Bureau of State Services (Community Health), [Office of Grants Management.]) † ● Item 485  
FS 2.2: C 73/9/966
- Public health bibliography series. ● Item 481-A FS 2.21: (nos.)
- 18069 67. Psychopharmacology handbook: v. 4, 1962-63. Animal research in psychopharmacology [with bibliography]; compiled and edited by Leon S. Otis, Cathrine A. Crismon, and Robert E. Edwards. [June 1966.] vii+407 p. 4° ([Publication 1497; National Clearinghouse for Mental Health Information, National Institutes of Health.]) [Prepared under contract SA-43-ph-4394 between Psychopharmacology Service Center, Research Grants Branch, National Institute of Mental Health, National Institutes of Health, and Biobehavioral Sciences Department, Life Sciences Division, Stanford Research Institute, Menlo Park, Calif. Compilation from available world literature for 1962-63.] \* Paper, \$2.00.  
L.C. card 63-65391
- 18070 70. Selected references on rheumatic fever, glomerulonephritis and streptococcal infections, bibliography compiled from English language, 1964; [by Lucille T. Shoop]. [Sept. 1966.] v+35 p. 4° ([Publication 1060, supp. 3]; Division of Chronic Diseases, Heart Disease Control Program.) †  
L.C. card 63-65488 rev.
- 18071 Recreation and mental retardation [with list of selected annotated references]; by E. M. Avedon. [June 1966.] v+17 p. ([Publication 1512]; Division of Chronic Diseases, Mental Retardation Branch.) \* Paper, 15c. ● Item 485  
L.C. card 66-65749 FS 2.2: R 24/2

# GOVERNMENT PUBLICATIONS

Research profiles. ● Item 507-A-6

FS 2.22/43: (nos.)

- 18072 1. Summary of progress at National Institute of Neurological Diseases and Blindness; [prepared by Information Office, National Institute of Neurological Diseases and Blindness, National Institutes of Health]. 1966. v.+21 p. il. ([Publication 1109 (revised 1966).]) [Prepared as background information submitted at congressional hearings on appropriations. Text on p. 3-4 of cover.] \* Paper, 15c.  
L.C. card 66-62914
- 18073 2. Summary of progress in cerebrovascular disorders (strokes); [prepared by Information Office, National Institute of Neurological Diseases and Blindness, National Institutes of Health]. [Revised 1966.] 1966. vi+14 p. il. ([Publication 1110.]) [Included in annual statement to Congress of United States by Director of National Institute of Neurological Diseases and Blindness.] \* Paper, 15c.  
L.C. card 66-62914
- 18074 8. Summary of progress in Parkinson's disease; [prepared by Information Office, National Institute of Neurological Diseases and Blindness, National Institutes of Health]. 1966. v+9 p. il. ([Publication 1160 (revised 1966).]) [Included in annual statement to Congress by Director of National Institute of Neurological Diseases and Blindness. Text on p. 3-4 of cover.] \* Paper, 15c.  
L.C. card 66-62914
- 18075 Restore man, national health goal; [by Wilfred D. David]. [Sept. 1966.] [2]+14 p. narrow 8° ([Publication 1507.]) † Information Office, Division of Chronic Diseases, Public Health Service, Washington, D.C. 20201 ● Item 485  
FS 2.2: M 31/4
- 18076 Rheumatic fever and rheumatic heart disease, review of research grants supported by National Heart Institute, 1949 [with list of references]; by May Sherman. 1966. viii+200 p. 4° ([Publication 1516]; National Institutes of Health, National Heart Institute, Extramural Programs.) [Subject index by Ellen M. Barnes, bibliography by Judith L. Ellin.] † ● Item 507  
L.C. card 66-65731  
FS 2.22: R 34/2
- 18077 Short-term training courses under professional nurse traineeship program of Public Health Service. Revised Aug. 1966. [1966.] [2]+14 p. ([Division of Nursing.]) [Supplement B to Public Health Service publication no. 1154-1.] † ● Item 485  
FS 2.2: N 93/38/supp. 966-2
- 18078 State definitions of live births, fetal deaths, and gestation periods at which fetal deaths are registered. May 1966 revision. [1966.] xii+59 p. 4° ([Publication 1520]; National Center for Health Statistics, Division of Vital Statistics.) \* Paper, 45c. ● Item 508  
L.C. card 66-65742  
FS 2.102: B 53/5/966
- Vital and health statistics: Series 4, Documents and committee reports. (National Center for Health Statistics.) ● Item 500-E
- 18079 6. Report of United States delegation to International Conference for Eighth Revision of International Classification of Diseases, Geneva, Switzerland, July 6-12, 1965. Sept. 1966. [6]+74 p. 4° ([Publication 1000, series 4, no. 6.]) \* Paper, 50c.  
L.C. card 66-61306  
FS 2.85/2: 4/no. 6
- Series 11, Data from National Health Survey. (National Center for Health Statistics.) ● Item 500-E
- 18080 19. Age at menopause, United States 1960-62 [with list of references; by Brian MacMahon and Jane Worcester]. iv+[2]+20 p. il. 4° ([Publication 1000, series 11, no. 19; Division of Health Examination Statistics.]) \* Paper, 25c.  
L.C. card 66-61307  
FS 2.85/2: 11/no. 19
- Series 13, Data from hospital discharge survey. (National Center for Health Statistics.) ● Item 500-E
- 18081 1. Patients discharged from short-stay hospitals, United States, Oct.-Dec. 1964; [by Michael J. Witkin]. Oct. 1966. [5]+19 p. il. 4° ([Publication 1000, series 13, no. 1; Division of Health Records Statistics.]) \* Paper, 25c.  
L.C. card 66-62202  
FS 2.85/2: 13/no. 1
- Series 20, Data from National Vital Statistics System. (National Center for Health Statistics.) ● Item 500-E
- 18082 3. Infant, fetal, and maternal mortality, United States, 1963 [with list of references; by Mary A. McCarthy]. Sept. 1966. [6]+64 p. il. 4° ([Publication 1000, series 20, no. 3; Division of Vital Statistics.]) \* Paper, 45c.  
L.C. card 66-61305  
FS 2.85/2: 20/no. 3

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—Series 22, Data from National Vital Statistics System. (National Center for Health Statistics.) ● Item 500-E

- 18083 3. Methods and response characteristics, national natality survey, United States, 1963 [with list of references; by Gooloo S. Wunderlich]. Sept. 1966. [4] +36 p. il. 4° ([Publication 1000-series 22, no. 3; Division of Health Records Statistics.]) \* Paper, 30c. L.C. card 66-61820 FS 2.85/2: 22/no. 3
- 18084 Working with silver solder. [Oct. 1966.] [6] p. il. narrow 8° ([Publication 1518; Division of Occupational Health.]) \* Paper, \$2.50 per 100; single copy, 5c. ● Item 485 FS 2.2: So 4

### PUBLIC ROADS BUREAU, Commerce Dept. Washington, D.C. 20235

- 18085 Strength and serviceability criteria, reinforced concrete bridge members, ultimate design [with list of references], by Bridge Division, Office of Engineering and Operations; reported by E. L. Erickson and E. G. Paulet. Aug. 1966. [1]+81 p. il. \* Paper, 35c. ● Item 265-A C 37.6/2: B 76/2

### RECLAMATION BUREAU, Interior Dept. Washington, D.C. 20240

- 18086 Concrete manual, for control of concrete construction [with list of selected references pertaining to concrete; prepared by engineers in Concrete and Structural Branch of Division of Research]. 7th edition, revised reprint. 1966. xxxv+642 p. il. 12° ([Water resources technical publication.]) \* Fabrikoid, \$3.25. ● Item 660-B I 27.19/2: C 74/966  
L.C. card 38-26771
- 18087 Federal reclamation projects, 1965 crop report and related data. [1966.] cover title, [4]+43 p. il. map, 4° (Division of Irrigation and Land Use.) † ● Item 663-A I 27.55: 965  
L.C. card 53-63671

Research report. (Water resources technical publication.)

- 18088 4. Hydraulic downpull forces on large gates; by R. I. Murray and W. P. Simons, jr. [1st printing.] [1966.] v+41 p. il. 4° (Hydraulics Branch, Division of Research, Office of Chief Engineer.) \* Paper, 35c. ● Item 664-B I 27.54: 4

### RENEGOTIATION BOARD Washington, D.C. 20446

- 18089 Renegotiation act of 1951 as amended through June 30, 1966; compiled by Renegotiation Board. 1966. ii+30 p. \* Paper, 15c. ● Item 308 RnB 1.5: R 29/966  
L.C. card 56-62153

### SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

- 18090 Regulation S-X under Securities act of 1933, Securities exchange act of 1934, Public utility holding company act of 1935 and investment company act of 1940, form and content of financial statements as in effect Aug. 1, 1966. [1966.] viii+80 p. 4° (Title 17, Code of Federal regulations, pt. 210.) \* Paper, 50c. ● Item 907 SE 1.6: F 49/966  
L.C. card 54-61697

### SHIP STRUCTURE COMMITTEE Washington, D.C. 20226

SSC (series).

- 18091 174. Investigation of residual stresses in steel weldments [with list of references]; by Koichi Masubuchi and D. C. Martin, Battelle Memorial Institute, Columbus, Ohio. Sept. 1966. [4]+103+[2] p. il. 4° (National Academy of Sciences, National Research Council.) [Final report on project SR-167 under Department of Navy Bureau of Ships contract NObs 92521. Text on p. 2 of cover.] † (Price upon application). Y 3.Sh 6: SSC-174

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## SMALL BUSINESS ADMINISTRATION Washington, D.C. 20416

- Small business bibliographies. † ● Item 901-K SBA 1.3:(nos.)
- 18092 18. Basic library reference sources for business use; by Elizabeth G. Janezeck.  
Sept. 1966. 8 p. 4°  
L.C. card 66-65739
- 18093 29. National mailing-list houses [with sources of lists]; by Richard D. Millican.  
May 1966 revision. [1966.] 8 p. 4°  
L.C. card 66-62867
- 18094 Waging war on poverty through economic opportunity, loans for small  
business, small business development centers. [May 1966.] [6] p. il.  
narrow 8° ([OPI-22; Office of Public Information.]) † ● Item 901-B  
SBA 1.2: P 86/966

## SMITHSONIAN INSTITUTION Washington, D.C. 20560

- Smithsonian miscellaneous collections. SI 1.7:(nos.)
- 18095 v. 149, no. 11. Additional data on host relations of parasitic cowbirds [with list  
of literature cited]; by Herbert Friedmann. Aug. 16, 1966  
[Port City Press, Inc., Baltimore, Md.]. [2]+12 p. ([Publi-  
cation 4678.]) † (Price upon application).  
L.C. card 66-62454
- 18096 v. 151, no. 7. Birds of Socotra and Abd-el-Kuri [with list of literature cited];  
by S. Dillon Ripley and Gorman M. Bond. Aug. 16, 1966 [Port  
City Press, Inc., Baltimore, Md.]. [2]+37 p. 8 p. of pl. ([Publi-  
cation 4681.]) † (Price upon application)  
L.C. card 66-62453
- 18097 v. 151, no. 9. Four new eocene echinoids from Barbados [with list of literature  
cited]; by Porter M. Kler. Aug. 30, 1966. [Port City Press,  
Inc., Baltimore, Md.]. [2]+28 p. il. 1 pl. ([Publication 4673;  
Charles D. and Mary Vaux Walcott Research Fund.]) † (Price  
upon application.)  
L.C. card 66-62949

## SOCIAL SECURITY ADMINISTRATION, Health, Education, and Welfare Dept., Washington, D.C. 20201

- Actuarial note. †
- 18098 30. Mortality study of charter beneficiaries; by Robert J. Myers. July 1966. 6  
p. 4° FS 3.19/2:30
- 18099 America's centenarians, reports of interviews with social security bene-  
ficiaries who reached 100 from Jan.-Dec. 1965; v. 6, 2d annual supple-  
ment to 4 volumes published Dec. 1963. May 1966. [350] p. il. 4° †  
● Item 516  
L.C. card HEW 64-59 FS 3.2: C 33/v. 6
- OASI (series). ● Item 518-A
- 18100 33d. Farmers are asking about farm rental income, does it count for social  
security payments? [Sept. 1966.] 9+[1] p. il. narrow 12° ([Treasury  
Department, Internal Revenue Service, IRS publication 363.]) †  
L.C. card HEW 62-26 FS 3.35: 33d/4
- Research and statistics note, 1966 (series).
- 18101 11. Experience under sick-pay plans in Great Britain; [prepared by Saul Wald-  
man]. Sept. 28, 1966. 6 p. 4° (Office of Research and Statistics.)  
FS 3.28/2: 966/1
- 18102 Social security programs in United States. Jan. 1966. v+120 p. il. \* Pa-  
per, 45c. ● Item 516  
L.C. card HEW 66-151 FS 3.2: So 13/21/96

## SOIL CONSERVATION SERVICE, Agriculture Dept. Washington, D.C. 20250

- 18103 1966 fall water supply summary [western United States]; by Water Supply  
Forecasting Branch, Portland, Oreg. [1966.] [4] p. il. 4° †  
A 57.46/8: 96

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Soil survey investigations report. ● Item 121-A

- 18104 5. Soil survey laboratory data and descriptions for some soils of Nebraska. Aug. 1966. [4]+233 p. 4° [Prepared in cooperation with Conservation and Survey Division, University of Nebraska.] †  
L.C. card Agr 66-338 A 57.52:5

Soil survey series 1961. ● Item 102 (Rev. 1957)

- 18105 40. Fountain County, Ind. [with list of literature cited; by Ralph H. Sturm]. May 27, 1966. cover title, 1+122 p. il. 78 p. of pl. and maps, 4° [Prepared in cooperation with Purdue University Agricultural Experiment Station. Text on p. 2 of cover. One map is colored.] \* Paper, \$4.00.  
L.C. card Agr 66-346 A 57.38:961/40

STATE DEPARTMENT  
Washington, D.C. 20520

Background notes. ([Office of Media Services, Bureau of Public Affairs.])  
[Issued with perforations.] ● Item 862-B

- 18106 Afghanistan [with bibliography]. [Revised Sept. 1966.] [1966.] 7 p. il. 4°  
([Publication 7795.]) \* Paper, 5c. S 1.123:Af 3/966  
L.C. card 66-61561
- 18107 Canada [with bibliography]. [Revised Aug. 1966.] [1966.] 10+[2] p. il. 4°  
([Publication 7769.]) \* Paper, 10c. S 1.123:C 16/966  
L.C. card 66-61561
- 18108 Communist China [with bibliography]. [Revised Aug. 1966.] [1966.] 8 p.  
il. 4° ([Publication 7751.]) \* Paper, 5c. S 1.123:C 44/966  
L.C. card 66-61561
- 18109 Ivory Coast [with bibliography]. [Revised Aug. 1966.] [1966.] 8 p. il. 4°  
([Publication 8119.]) \* Paper, 5c. S 1.123:Iv 7  
L.C. card 66-61561
- 18110 Kenya [with bibliography]. [June 1966.] 4 p. il. 4° ([Publication 8024.])  
\* Paper, 5c. S 1.123:K 42  
L.C. card 65-60213
- 18111 Lebanon [with bibliography]. [Revised Aug. 1966.] [1966.] 3 p. il. 4°  
([Publication 7816.]) \* Paper, 5c. S 1.123:L 49/966  
L.C. card 66-61561
- 18112 Morocco [with bibliography]. [Revised July 1966.] [1966.] 8 p. il. 4° ([Pub-  
lication 7954.]) \* Paper, 5c. S 1.123:M 82/966  
L.C. card 66-61561
- 18113 Philippines [with bibliography]. [Revised Sept. 1966.] [1966.] 8 p. il. 4°  
([Publication 7750.]) \* Paper, 5c. S 1.123:P 53/966  
L.C. card 66-61561

Center for International Systems Research: Occasional papers. ● Item 862-E

- 18114 1. Computer and foreign affairs, some first thoughts [with bibliographies; by] Fisher Howe. [Nov. 1966.] viii+88 p. il. ([Publication 8156.]) [Text on p. 2 and 3 of cover.] \* Paper, 35c.  
L.C. card 66-65746 S 1.124:1

Commercial policy series. ● Item 862

- 18115 202. East-West trade relations act of 1966. [Aug. 1966.] [2]+9 p. 4° ([Pub-  
lication 8116; Office of Media Services, Bureau of Public Affairs.]) [Re-  
printed from Department of State bulletins, May 30 and July 25, 1966.  
Publication no. incorrectly given as 8112 and corrected by errata sheet,  
1 p. oblong 24°.] \* Paper, 15c. S 1.37:202  
L.C. card 66-62948

- 18116 Department of State. 1966. [4] p. il. 4°, folded into narrow 8° size †  
● Item 876 S 1.2:St 2/17/966

Far Eastern series. ● Item 870

S 1.38:(nos.)

- 18117 149. Mainland China, geographic strengths and weaknesses; [by G. Etzel Pearcy].  
[Sept. 1966.] 10+[1] p. il. 4° ([Publication 8135; Office of Media  
Services, Bureau of Public Affairs.]) [Reprinted from Department of  
State bulletin Aug. 29, 1966.] \* Paper, 15c.  
L.C. card 66-62917
- 18118 150. Initiative for peace; [by Arthur J. Goldberg]. [Oct. 1966.] [1]+8+[1]  
p. 4° ([Publication 8147; Office of Media Services, Bureau of Public Af-  
fairs.]) [Statement made in plenary session of U.N. General Assembly,  
Sept. 22, 1966. Reprinted from Department of State bulletin, Oct. 10,  
1966.] \* Paper, 15c.  
L.C. card 66-65747

International information and cultural series. ● Item 878

- 18119 90. Cultural presentations, USA, 1964-65. report to Congress and public by Ad-  
visory Committee on the Arts. [June 1966.] cover title, vi+54 p.  
([Publication 8038.]) \* Paper, 25c. S 1.67:90  
L.C. card 66-62691

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- 18120 55. UN, action agency for peace and progress. [Revised Aug. 1966.] [1966.] [12] p. il. narrow 8° ([Publication 7733; Office of Media Services, Bureau of Public Affairs.]) \* Paper, 10c. S 1.70 : 55/3
- 18121 Some multilateral and regional organizations engaged in international educational and cultural activities. May 1965. [4]+79 p. 4° (Bureau of Educational and Cultural Affairs; [Policy Review and Coordination Staff].) †  
L.C. card 66-62999 S 1.2 : Ed 83/11
- 18122 Swahili, active introduction : General conversation ; organized and edited by Earl W. Stevick, Marianne Lehr, and Paul G. Imhoff. 1966. xiii+150 p. il. 4° ([Basic course series] ; Foreign Service Institute.) [Compiled and published with assistance of Peace Corps.] \* Paper, 75c.  
● Item 872-A  
L.C. card 66-62368 S 1.114/2 : Sw 1/2
- 18123 — Geography ; organized and edited by Earl W. Stevick, Marianne Lehr, and Paul G. Imhoff. 1966. viii+130 p. il. 4° ([Basic course series] ; Foreign Service Institute.) [Compiled and published with assistance of Peace Corps.] \* Paper, 65c. ● Item 872-A  
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- Treaties and other international acts series. \* Paper, \$10.00 a yr. (approximately 150 issues), \$6.00 additional for foreign mailing ; single copies vary in price. ● Item 899 S 9.10 : (nos.)
- 18124 6065. General agreement on tariffs and trade, protocol for accession Switzerland to agreement of Oct. 30, 1947, done at Geneva Apr. 1, 1966 ; [entered into force with respect to United States and Switzerland Aug. 1, 1966]. [1966.] [2]+20 p. [English and French.] \* Paper, 15c.  
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- 18125 6068. Alien amateur radio operators, arrangement between United States and Federal Republic of Germany, effected by exchange of notes signed Bonn June 23 and 30, 1966 ; [entered into force June 30, 1966]. [1966.] [2]+3 p. [German and English.] \* Paper, 5c.  
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- 18126 6071. Television system in Saudi Arabia, agreement between United States and Saudi Arabia, extending agreement of Dec. 9, 1963 and Jan. 6, 1964 effected by exchange of notes signed Jidda June 27 and July 30, 1966 ; [entered into force July 30, 1966. [1966.] [2]+3 p. [Arabic and English.] \* Paper, 5c.  
L.C. card 66-65748

## STATISTICAL REPORTING SERVICE, Agriculture Dept. Washington, D.C. 20250

- 18127 Capacity of refrigerated warehouses in United States, Oct. 1, 1965 ; [prepared by Arlan R. Feistner, M. R. Banks, and W. D. Bormuth]. Oct. 1966. [2]+19 p. il. 4° (Co St 2(66) ; Crop Reporting Board.) †  
● Item 24-G A 92.21/3 : 965
- SRS (series).
- 18128 10. Collection of agricultural statistics in Japan [with list of literature cited ; by B. R. Stauber]. [Sept. 1966.] [1]+iv+50 p. 4° †  
L.C. card Agr 66-315 A 92.34 : 10

## TARIFF COMMISSION Washington, D.C. 20436

- 18129 Products subject to duty on American selling price basis of valuation ; conversion of rates of duty on such products to rates based on values determined by conventional valuation methods, report to Special Representative for Trade Negotiations on investigation 332-47 under sec. 332 of Tariff act of 1930 (including corrections to Aug. 15, 1966). July 1966. cover title, [1]+56 leaves, il. 4° (TC publication 181 : [TC24551].) †  
L.C. card 66-62216 TC 1.2 : P 94/2/corr.
- 18130 Supplement 5 to Tariff schedules of United States annotated (1965) ; [Oct. 1, 1966]. 1966. [115] p. 4° (TC publication 163.) [Issued in looseleaf form.] \* Paper, \$6.00 (including supplementary service for indefinite period) ; \$1.50 additional for foreign mailing. ● Item 982-B  
L.C. card 65-65804 TC 1.35/2 : 965/supp. 5

\*For Sale by Superintendent of Documents  
†Distribution Made by Issuing Office  
‡Official Use. Not Available

**TREASURY DEPARTMENT**  
Washington, D.C. 20220

Department circular. ● Item 924

- 18131 530. 9th rev. Regulations governing United States savings bonds, Dec. 23, 1964, 1st amdt.; May 24, 1966. [1966.] 7 p. 4° (Fiscal Service, Bureau of Public Debt.) †  
T 1.4/2: 530/10/amdt. 1

**VETERANS ADMINISTRATION**  
Washington, D.C. 20420

- 18132 Bulletin of prosthetics research, BPR 10-5, spring 1966 [with lists of references, editor, William M. Bernstock]. [1966.] iv+193 p. il. (Prosthetic and Sensory Aids Service, Department of Medicine and Surgery.)  
\* Paper, 65c. ● Item 983-B  
L.C. card 66-60273  
VA 1.23/3: 10-5

[Information bulletin] IB (series). ● Item 986-A

- 18133 08F-34. Safety and fire protection bulletin, Sept. 1966, v. 9, issue 3: U S Mission Safety 70, poor housekeeping breeds fires. [1966.] ii+6 p. il. 4° (Safety and Fire Protection Division, Office of Assistant Administrator for Construction.) †  
VA 1.22: 08F-34

- 18134 Report of Multi-disciplinary Conference on Domiciliary Care, VA Center, Dayton, Ohio, Nov. 30-Dec. 2, 1965. [1966.] cover title, ii+61+A-12 p. il. 4° † ● Item 985  
L.C. card 66-62923  
VA 1.2: D 71

VA pamphlets. † ● Item 988

VA 1.19: (nos.)

- 18135 05-41. Common sense about supervising young workers, pointers on getting them off to a good start. June 1966. [4]+12+[1] p. il. oblong 24° (Office of Assistant Administrator for Personnel.) [Adapted from Labor Department bulletin 174, Youth you supervise.]  
18136 10-54. Rewarding career for you as Veterans Administration nurse. Revised Aug. 1966. [1966.] [4] p. il. 4° (Career occupational series; Department of Medicine and Surgery.)  
18137 26-4. Questions & answers on guaranteed and direct loans for veterans. Revised [edition]. June 1966. 29 p. il. [Rescission of VA pamphlet 26-4, revised July 1965.]  
18138 29-23. National service life insurance total disability income provision premium rates on NSLI (V), (RS) & (W) policies for TDIP 60 and TDIP 65. Aug. 1966. [1]+1+41 p. [Rescinds VA pamphlets 29-13 and 90-5A revised.]  
18139 30-1. Careers in automatic data processing in Veterans Administration. Aug. 1966. cover title, 12 p. il. 4° (Department of Data Management.)

**WAGE AND HOUR AND PUBLIC CONTRACTS DIVISIONS,**  
Labor Dept., Washington, D.C. 20210

- 18140 Handy reference guide to Fair labor standards act, as amended 1966. Oct. 1966. cover title, [1]+14 p. (WHPC publication 1159.) [Text on p. 2 and 3 of cover.] \* Paper, 15c. ● Item 778-B  
L.C. card L 61-67  
L 22.5: F 15/3/966-2

- 18141 Hired farm workers under Fair labor standards act as amended in 1966. Oct. 1966. [2] leaves+7 p. narrow 8° (WHPC publication 1161.) †  
● Item 777  
L 22.2: F 22/2

Interpretative bulletin, title 29 of Code Federal regulations. ● Item 778

- 18142 pt. 800. Equal pay for equal work under Fair labor standards act. [1966.] iv+24 p. 4° (WHPC publication 1157.) [Conforms to Code as of Sept. 15, 1966.] \* Paper, 20c.  
L 22.10: 800/3

**WELFARE ADMINISTRATION, Health, Education, and Welfare Dept.**  
Washington, D.C. 20201

- 18143 Advisory Council on Public Welfare, having the power, we have the duty, report to Secretary of Health, Education, and Welfare; summary of recommendations. June 29, 1966. [15] p. 4° \* Paper, 15c.  
FS 14.2: Ad 9/sum.

‡For Sale by Clearinghouse, U.S. Department of  
Commerce, Springfield, Va. 22151

●Sent to Depository Libraries

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# GOVERNMENT PUBLICATIONS

- 18144 Restructuring public welfare administration to meet needs of people in urban society, report of Conference on Urban Public Welfare Administration, July 13-14, 1966. [1966.] iii+16 p. 4° [Title on cover is: Conference on Urban Public Welfare Administration, July 13-14, 1966. †  
 ● Item 532-A-1  
 L.C. card HEW 66-170 FS 14.2: Ur 1/2

## WOMEN'S BUREAU, Labor Dept. Washington, D.C. 20210

Bulletin. ● Item 781.

- 18145 157-20 (rev.). Legal status of women in United States: Report for Massachusetts as of Apr. 1, 1966; [prepared by Kermitt E. Wheeler]. [1966.] iii+24 p. \* Paper, 15c.  
 L.C. card L 58-27 rev. L 13.3: 157-20/5
- 18146 Women workers in Puerto Rico, 1960. [Reissued Aug. 1966.] [1966.] 13 p. 4° ([WB 67-22.]) †  
 L.C. card L 64-17 L 13.22: P 96r/960-2



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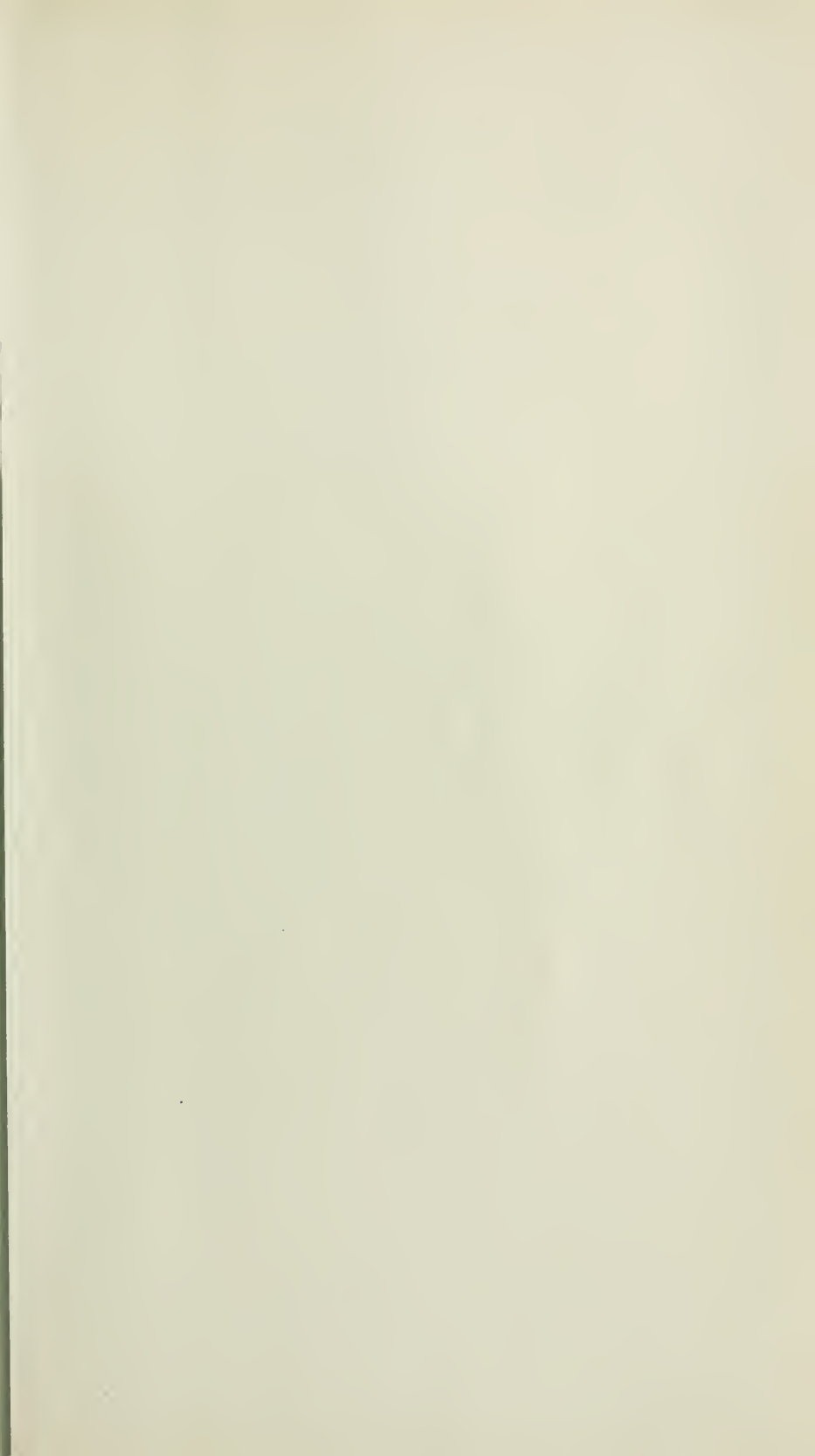
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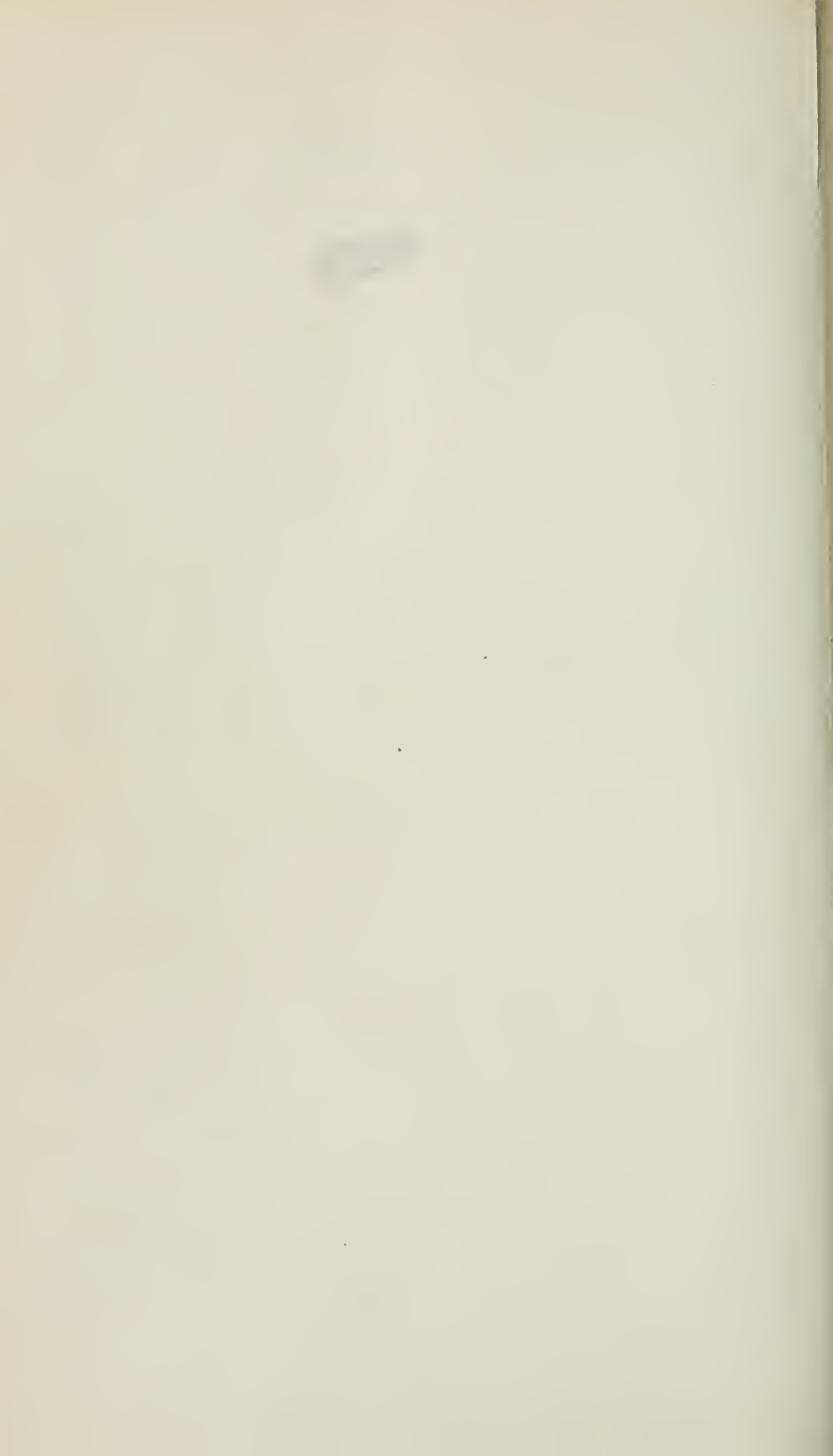
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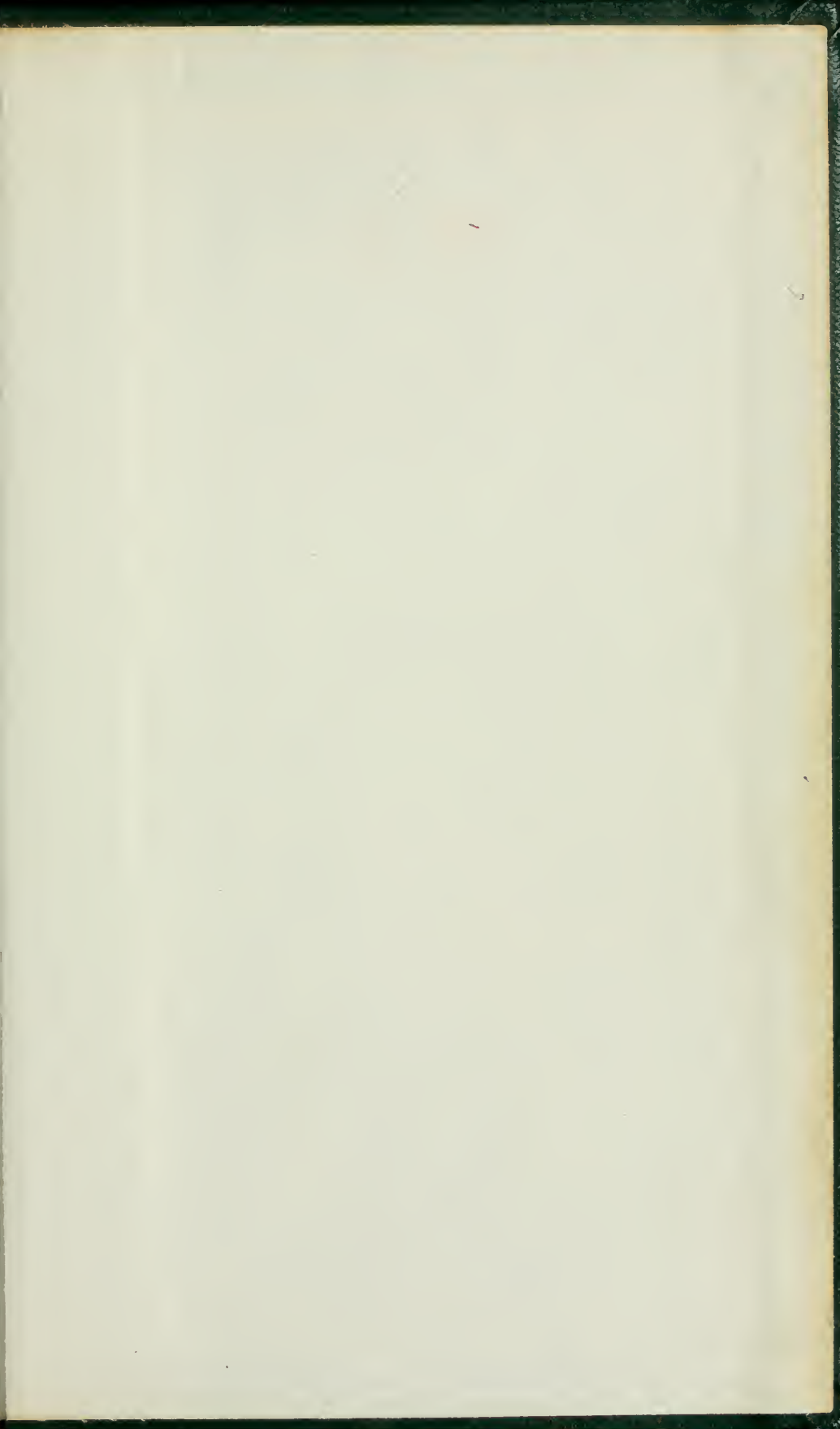












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